

Manufacturers Record

Exponent America



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Single Copy, 20 Cents.

Baltimore, Md.
JUNE 17, 1926

An Industrial Engineer's Views on What Makes Cities and Countries.

James Z. George Company
Industrial Engineers.

Dallas, Texas.

Editor Manufacturers Record:

I have just been reading the current issue of the Manufacturers Record, and particularly your comments under the caption of "Religion and the Press," and I feel impelled to drop you a line to express my personal appreciation of your attitude on these matters which you so often express in the pages of your magazine.

I am an industrial engineer, and it is my work as such to search out the things which underlie and which promote good and stable business. My interest is more largely with those things which make good business than with the mere fact of prosperity and production.

After many years of this sort of study and the contacts it has made, I am more and more of the opinion that it is not the available raw materials, credits and markets which make stability, but the outlook behind it all. It is the people that make great cities, great states and great countries, and a progressive and lasting civilization—including business.

If this be a fact, then why do not business men more generally acknowledge a deep interest in the moral and religious ideals and practices of men and women? The general impression is that business does not recognize these elements in life at all. And yet thinking business men, when questioned individually, do recognize them fully.

In surveying a community I watch the church attendance as closely as I do the retail trade. I do this because religion is simply the organized outwardness of high ethics and good moral tone—both of which are essentials to a stable community.

Comments like yours are valuable as leaders in this direction, and I want to congratulate you on your vision.

JAMES Z. GEORGE.



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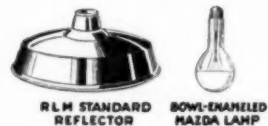
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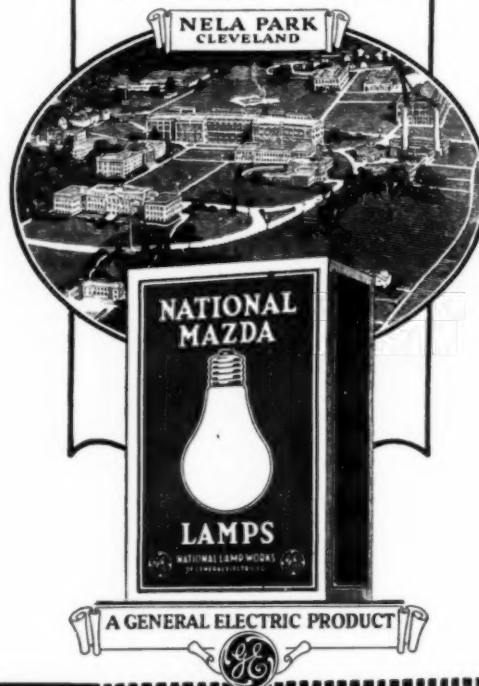
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Manufacturers Record

RICHARD H. EDMONDS, Editor

PUBLISHED EVERY THURSDAY BY THE

MANUFACTURERS RECORD PUBLISHING CO.

Office: Manufacturers Record Building, corner Commerce and Water Streets, Baltimore, Maryland
Printing Plant, corner South and Water Streets, Baltimore, Maryland

RICHARD H. EDMONDS, President; FRANK GOULD, First Vice-President; VICTOR H. POWER, Second Vice-President;
I. S. FIELD, Secretary; J. ROBERT GOULD, Treasurer

BRANCH OFFICES:

CHICAGO, 11 South La Salle Street

NEW YORK, 901 Singer Building

CINCINNATI, 333 Dixie Terminal Building

SUBSCRIPTION RATES:

\$6.50 a year (in advance); six months, \$3.50; three months, \$2 to United States, Mexico, Cuba, Porto Rico, Hawaii and the Philippines. For Canada add postage \$2 a year. For other foreign countries add postage \$5.50 a year. Back numbers, if available and not over one month old, 20 cents each. From one month to six months old, 50 cents each; over six months old, \$1 each. In ordering change of address, give old as well as new address.

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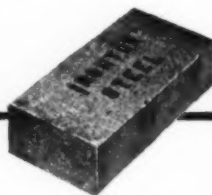
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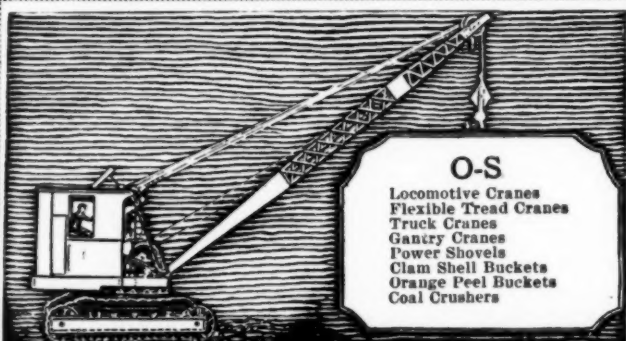
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Manufacturers Record

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Vol. LXXXIX No. 24 }
Weekly }

BALTIMORE, JUNE 17, 1926.

{ Single Copies, 20 Cents.
\$6.50 a Year. }

Magnitude of America's Growth and the Increase of Its Consuming Power Strikingly Stated.

FOR the five years from 1920 to 1925 the population of the United States, according to estimates of the National Industrial Conference Board, increased by 10,299,000, or at the rate of more than 2,000,000 a year—a startlingly suggestive indication of our enormous growth. What this growth means in increased consuming power is indicated in the fact as pointed out by the Board that if we had taken into our confines the entire population of Canada or that of Australia and New Zealand combined, without any increase otherwise in our population, we would not have acquired as great an increase in consuming power as the gain of the more than 10,000,000 increase in our own population. This gain is 15 per cent more than the total population of Canada, and more than 40 per cent in excess of that of Australia and New Zealand; it is 38 per cent more than the 1920 population of all the New England states, and 15 per cent more than the aggregate population of the Rocky Mountain and Pacific states, comprising Montana, Idaho, Wyoming, Nevada, Utah, Colorado, Arizona, New Mexico, Washington, Oregon and California.

In the light of these comparisons, our increase in population and the influence which it has upon the broadening of the consumptive requirements of the country is almost startling. Another fact of vital interest in this connection is that the productive and consuming capacity of the country and the volume of its business increase far more rapidly than the gain in population itself. In other words, this increase of over 10,000,000 in population means an increase in consuming power probably equal to what 20,000,000 population would have represented 10 years ago.

Further discussing this subject, the National Industrial Conference Board gives some remarkable figures covering the increase in savings deposits, insurance growth and other figures which are of profound significance to our country and to the world at large. On this point, the report says:

"On the basis that the 10,229,000 additional inhabitants of the United States comprise proportionately as many gainfully employed persons as did the total population of the country when the 1920 census was taken, the increase in the gainfully employed would number approximately 3,965,000. At the latest accepted calculation of average annual earnings per gainfully occupied person, the increase in population therefore would represent an approximate increase in national purchasing power of more than \$5,500,000,000 per annum.

"In actuality, however, the total purchasing power of the people of the United States has increased considerably more than these figures would indicate, because of the generally reduced cost of living and the resultant higher 'real' earnings since 1920, leaving a greater margin of sur-

plus after the purchase of the necessities of life. This is clearly reflected in the growth of savings of the American people, the accumulation of which has strikingly accelerated during the past five years as compared with previous years. While individual deposits in savings banks in the United States increased 40 per cent per capita in each decade from 1900 to 1920, they have been growing at the rate of 55 per cent per decade since 1920. Still more impressive is the rate of increase in life insurance policies in force, representing merely another form of saving, which from 1900 to 1910 increased 58 per cent per inhabitant, 115 per cent during 1910-20, and 104.5 per cent, or at the rate of 209 per cent per decade, since 1920. Savings as represented in the assets of building and loan associations have likewise shown a progressive rate of growth, having increased 14 per cent per capita from 1900-10; 120 per cent during 1910-20, and 105 per cent, or at the rate of 210 per cent per decade, since then.

"This progressive rate of increase of savings is the more significant because it has been concomitant with a rising standard of living, during a time when the automobile changed from a rare luxury to an almost every man's utility, and during a period when such articles as phonographs, radios and telephones were more widely distributed in the United States than in any other country on earth. The wholesale value of passenger automobiles produced in the United States annually, for instance, rose from 6 cents per capita of total population in 1900 to \$21.77 per capita in 1925, while total per capita savings during the same period accumulated at a rapidly progressive rate of increase.

"The accompanying table shows the rate of increase in savings as represented by individual deposits in savings banks, by life insurance policies in force and by the assets of building and loan associations per capita of population for the period of 1900 to 1925.

Individual deposits in savings banks per capita		Per capita rate of increase per decade. Per cent
1900	\$31.44	
1910	44.26	40
1920	61.85	40
1925	78.19	55
Life insurance policies in force per capita		
1900	\$112.66	
1910	178.36	58
1920	399.97	115
1925	621.01	209
Building and loan association assets per capita		
1900	\$8.27	
1910	9.36	14
1920	20.12	120
1925	41.11	210

It will be noted that while percentages usually decline

as the volume increases, this is not true in this case. On the other hand, the growth between 1920 and 1925, as measured by the per capita rate of increase, is in the case of savings deposits, life insurance policies and building and loan associations far greater during the five years under review than in the preceding decade's growth. Truly the people of this country are making a progress in material affairs almost impossible to comprehend or fully to visualize. No wonder the people of other countries stand amazed at what we are doing in this country. With the high rate of wages prevailing among the working people, the enormous purchases that are being made of automobiles, radios and other things which the laboring people of no other country in the world have ever had the privilege of enjoying, we are setting a pace which guarantees an expansion of American progress far and away greater than anything we have ever seen in the past, far greater than any other country in the world has ever dared to hope for. In the light of these facts the people of America should look with infinite sympathy upon the comparative poverty which exists in every other country in the world in contrast with our abounding prosperity.

It is true that some lines of industry in this country, and especially agriculture, are not as prosperous as is the nation as a whole, but we are gradually working out of even these adverse conditions, and in the swing of the pendulum we believe that agriculture will in the not distant future stand alongside of industrial and business interests generally in a prosperity greater than it has known for many years.

Marvelous, indeed, is our progress, incomprehensibly great is our responsibility to do our utmost to help other nations of the world to enjoy a similar degree of prosperity. Are we recognizing that responsibility? If not, we should remember that unto whom much has been given, of him much shall be required.

MR. DE KALB TO VISIT EUROPE ON AN IMPORTANT COMMISSION.

COURTENAY DE KALB, mining engineer, who also holds the chair of mining in the University of Alabama, has been selected by powerful mining interests to visit Europe this summer with a view to new and important developments. He will spend a large part of his time in Spain and other Mediterranean lands.

Mr. De Kalb has been a frequent contributor to the MANUFACTURERS RECORD, and will write articles on the European situation from time to time during his journey. He will possess special facilities for securing the viewpoint of both political and economic leaders abroad. His articles should, therefore, possess special importance for the readers of this paper.

A DEATH BLOW TO AN UNWISE SCHEME.

SECRETARY MELLON has rendered an invaluable service to the country in his letter on the McNary-Haugen Farm Relief bill for the supposed relief of agriculture. That bill, if ever passed, would be disastrous to this country, and the dangers involved in it, the economic errors and all other evils involved in that scheme were never more clearly set forth than by Secretary Mellon. This, in our opinion, is one of the best pieces of work that Mr. Mellon has ever done for his country, for his analysis of the bill makes it, we believe, absolutely impossible that it will ever be passed.

[From Baltimore Sun, June 9.]

UNIVERSITY HONORS EDITOR

R. H. Edmonds Awarded Degree By Tennessee Institution.

Sewanee, Tenn., June 8 (Special).—At the meeting of the board of trustees of the University of the South, Sewanee, Tenn., the honorary degree of doctor of civil law was conferred on Richard H. Edmonds, editor of the *Manufacturers Record*.

The award was in recognition of his "conspicuous and distinguished service for many years in advocacy of the South's opportunity; for his persistent efforts to make known and to make possible the South's development; for the lofty spirit of patriotism which pervades his editorial utterances; for his high ideals of editorial responsibility, and for his conspicuous example of consistent and fearless Christian manhood."

It is needless to say that this honorary degree from the University of the South is highly appreciated, and especially so in view of the fact that the editor of the MANUFACTURERS RECORD had no intimation whatever that the trustees were even thinking of such a move until he received a telegram that they had conferred the degree and asking if he could come in person to receive it. Unfortunately, it was not possible for him to do so. The dispatch to the Baltimore Sun is, so far as the writer knows, the first public announcement of this honor, the very wording of which greatly intensifies the writer's profound sense of responsibility to be worthy of such a tribute.

THEN AND NOW.

REPRESENTATIVE CHARLES R. CRISP, Democrat, Third district, Georgia, speaking on settlement terms for the war debt of France to the United States, said:

"When we declared war it became our war. I invite your attention and ask you to read excerpts from the debate of the leaders of both branches of Congress when we were considering the bill authorizing these loans to be made. The distinguished gentleman from Massachusetts (Mr. Andrew) has codified them in an able speech he has made on this subject, and with his consent I am going to incorporate them in my remarks so that they may be a part of the record in this case. Mr. Mann, one of the ablest and most distinguished Members of this House; the beloved Claude Kitchen, Senator Simmons, and my own warm friend the gentleman from Illinois (Mr. Rainey), Mr. Madden, Senator Cummins, Senator Kenyon, Senator McCumber, Mr. LaGuardia, Mr. Fitzgerald and a great many others said:

"It is now our war. There are only two ways to conduct a war—by money and by men. We have not the men available now that can participate in the struggle, but we have dollars. If our Allies, who are suffering the tortures of hell, dying by the thousands, are willing to face German bullets and German gas and die in the prosecution of this war, we should be willing to send dollars, and it is inconsequential whether those dollars are ever returned."

Apparently, a majority of the members of the Congress in these days are of different kidney from the members of the war sessions. The men of the War Congresses placed and held the national honor above selfish, personal political preferment.

Well may the Allies look at Uncle Sam and chant: "When the devil was sick, the devil a monk would be; when the devil was well, the devil a monk was he."

Tollgates in Government Service.

WHILE states and counties, in the march of progress, have abolished the archaic tollgate system and opened roads and highways to the free and unimpeded use of citizens, no matter whence they hail or whither they go, giving them, as Johnson says in his "Journey to the Western Islands," "A new kind of pleasure to travel so commodiously without the interruption of tollgates," the United States Government is persisting in using a behind-the-times system of keeping the tollgate system operating in one of its departments. It is high time the Postal Department was doing away with the ancient method of the tollgate system, long since abolished by the states, in its mail service and instead use the Twentieth Century method of doing things.

In a booklet, "News and Progress," just issued by the Bank of the Manhattan Company of New York city—one of the historic financial institutions of the country, organized in 1799—a very interesting analysis of the disastrous outcome of the newspaper strike in New York in 1923 is given. This strike, as will be remembered, caused a complete stoppage of newspaper publications in New York for the first time in two centuries, and in discussing the situation the Bank of the Manhattan Company's booklet asks:

"Why was this experience so disconcerting? Because it produced a feeling of isolation; it cut off the city from the outside world—not physically, but mentally; it even cut off the residents of the city from knowledge of each other, because people have come to rely almost entirely on the papers for their local news. One may be in a room with a number of others, but if the lights were suddenly turned out one feels strangely alone. People cannot co-operate in the dark. When the newspapers suspended co-operation became difficult, in some cases impossible."

During that strike period some of the large advertisers in New York city tried to keep in touch with their clientele by circularizing them and through other forms of advertising contact, but the effort fell far short of the results that followed so easily, so swiftly, so surely from advertisements in the legitimate newspaper factor.

In this analysis of the value of the newspaper and advertising, the Bank of the Manhattan Company in its booklet has emphasized in a peculiarly impressive and convincing way the country-wide influence of newspapers in their dissemination of news and information, and has also quite truthfully stressed the influence, the broad, far-reaching influence, of advertising. It brings out the fact, for instance, that the advertising columns of the newspaper develop social and economic values and results. Thus, if America has become a nation of home owners, it is due in large measure to the persistence with which the desire for home ownership has been stimulated through newspaper advertising. In the field of banking and in the promotion of individual thrift the advertising and news columns of the newspaper have worked a magic transformation. It also shows that in the public-utility field is found another striking example of how the newspaper as a market place of the community has been used, not only to sell goods and service, but to promote popular understanding and good-will. It emphasizes further the value of newspaper advertising in facilitating a closer contact of one community with another, of one section with another, of one state with another, not only in the consideration and exchange in news but in making industry available on a uniform basis to utilize in every section of the country goods, materials and products of every kind.

The bank goes on to say that of the \$750,000,000 used in nation-wide newspaper advertising in 1925, nearly one-third was paid by producers of goods which are distributed throughout the nation, and continuing in a most interesting way its

consideration of the great, far-reaching influence of the press, the booklet says:

"So much we know, yet we do not fail to recognize that the contribution of the American newspaper is civic, educational, moral and inspirational as well as economic. Moreover, it is the great force that binds America together. In its columns—news, editorial, advertising—may be discovered its essential function, to integrate the 117,000,000 Americans into one American people. Voluntary co-operation is the American plan, and the American newspaper is its chief instrument."

And notwithstanding this interdependent influence of newspapers, steadily growing and increasing, bringing to the great good of the country all of its citizens in elbow touch, making the citizen of the Pacific Coast understand the problems of the Atlantic Coast, and the people of the Northern border understand the problems on the Southern border—the Government, through its Postal Department in the application of the zone system of mailing, is doing all that it can to defeat, or at least to lessen, the great unifying influence of the press. The automobile driver can now go from one end of the country to the other without the annoyance of the tollgate system, the states invite the tourist to visit their respective sections, to drive over their roads and to meet their people, without subjecting them to tollgate charge, but the Government by its zone system of charging for advertisements is still in the tollgate business.

Nearly every state and every community has discontinued the tollgate system of transportation, and it has worked out tremendously well. No one can be found willing to return to the tollgate system, although during the time of its life great opposition to its abolishment was manifested; the coming of the automobile, good roads, the great desire of people of all sections to visit and to know each other better gradually developed and produced an opposition to the tollgate that swept it out of existence. Yet the Government still holds on in its own system of taxing advertisements to the tollgate system in business. It is high time this zone system was swept away, high time that the barnacles of the tollgate system adhering to the Ship of State be scraped, so that the postal service may be speeded up and give to the citizens of the country a free, unimpeded method of keeping in touch with each other better, more easily and more completely and on an equal and uniform basis.

It is quite true that the zone rate applies only to advertisements, but, as the booklet of the Bank of Manhattan so clearly shows, advertisements, in drawing people together and in making the country more prosperous and in facilitating exchange of business, are more important than the unimpeded distribution of news. In the old tollgate days the differential was applied just as it is applied in the zone system of postal rates. A one-horse wagon costs a little less than a two-horse wagon, although the two-horse wagon may have been more useful and beneficial to the community in the service it rendered or in the goods it hauled. Likewise the zone system has a one-horse wagon and a two-horse wagon. The two-horse wagon carries advertisements and the zone system penalizes and applies the differential, but when the old tollgates were swept away all this differential was swept away. When the postoffice was established it was the thought, we are convinced, that all citizens, wherever located, should have a uniform service rendered by it, that the citizen of the Pacific Coast should be as much entitled to postoffice service on an equitable basis as the citizen of the Atlantic Coast, and vice versa. The Government is wrong in making a distinction in the rights of its citizens because of location, on matters of Governmental service, and yet this is exactly what the Postoffice Department is doing in its

application of the zone rate applied to advertisements in publications.

The tollgate system has long been abolished. It is high time that the tollgate system in Government be abolished. Let us have the Postoffice Department working on a Twentieth Century basis rather than on the old Nineteenth Century tollgate system.

THE MOROCCAN IMBROGLIO.

THE MANUFACTURERS RECORD has closely followed the Moroccan uprising since its beginning, in 1921, to the present time, believing that it constituted a menace to the peace of the world. It is pleasing to note that the military phase of the struggle has ended with the surrender of the Moorish chieftain, Abd el Krim. He will probably retire as an exile to France. The difficulty over Morocco, however, is deeper than a mere insurrection of Moorish tribes. The diplomatic status of Morocco is complicated by an international agreement drawn at a period of high tension between the numerous contracting parties, so that the instrument was in truth no better than a *modus vivendi*. It was not sufficiently definite to conclude the strife which it sought to postpone. It left a so-called internationalized city, Tangier, within the zone of the Rif, that had been committed under mandate to Spain. The regulation of this city by a mixed international administration has been a constant source of irritation. This is but one of the uncured evils flowing from this Treaty of Algeciras. Fundamentally, the Moroccan problem consists in policing the country, providing for its agricultural and mineral development and, so far as Great Britain is concerned, in preventing close contact of a strong Power with the Straits of Gibraltar. England, therefore, managed to place Spain in control of the Rif coast, constituting a buffer between Gibraltar and the French zone south of the Atlas mountains.

Germany also displayed keen interest in Morocco, which is a matter of well-known history. It is not so well known, however, that the great German house of the Mannesmanns, at Hamburg, acquired concessions for iron mines on the north coast of the Rif, back of Alhucemas Bay. These mines are believed to have been the chief cause of the revolt of Abd el Krim. He was the agent of Germany in Morocco during the World War. It has been often stated, and, so far as we know, never denied, that Germans equipped and sustained Abd el Krim in his fight against Spain. It is easy to see what it would have meant in international politics to have had a Moorish ruler in a nominally independent country close to Gibraltar, dominated by German influence, and with a great German mining enterprise established under such a political regime. It is now stated that since the downfall of Abd el Krim, the German mining concessions in the Rif territory have been conveyed to an "American syndicate." Unfortunately, the United States was a signatory of the Treaty of Algeciras, and thus we would technically constitute shelter for these German holdings in case of a revision of the Treaty of Algeciras. Such a revision is now being discussed by France, Italy and England. It is one of the world's danger points, and the duty of the United States is to keep free from any fresh entanglements in this dispute. We will do well enough to avoid serious friction through an attempt to make us carry the burdens of Germany, shouldered upon us because of the absurd specifications of our reasons for ratifying the Treaty of Algeciras, as set forth in the Senate reservations adopted in 1906, when that treaty was ratified. This case is an excellent example of the peril of our entering into any general international agreements. We invariably become somebody's goat when we do, and we always display incapacity for guarding our own interests and safety.

THE USUAL RESULT WHEN AGGRESSIVE MEN REALLY UTILIZE THE OPPORTUNITY TO SECURE BUSINESS.

Bryce Plumbing & Heating Co.,
Plumbing, Heating and Electrical Engineers and Contractors.
Florence, S. C., May 21.

Editor Manufacturers Record:

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There are some thousands of other business men who have not yet availed themselves of the opportunities offered by the Daily Bulletin, but who could use it to as much profit as the Bryce Company has done.

HOW A BANK CREATED FARM PROSPERITY.

THE Peoples Bank & Trust Co. of Tupelo, Miss., has been actively working to develop farming in its sections. In a letter to the MANUFACTURERS RECORD that bank writes:

"While Congress, mistaking irrelevant and superficial symptoms for disease, is attempting to legislate prosperity to the farmers, which it never can do, this bank has got down to the fundamentals. It is leading the farmers of its county into ways of prosperity and contentment. The plan on which it is working aims to feed the farm family well, something to sell every week, build up the soil and raise more cotton on fewer acres at less expense."

The bank does not urge the farmer to abandon the cotton crop; it does show him convincingly and profitably that diversified farming, including dairying, is a reinforcement, almost indispensable, to the cotton crop. It says:

"We have always taken the position that the farmers in this section ought to raise cotton. There is no crop in the South that will equal cotton at 25 cents, but it is absolutely unsafe under present conditions for a farmer to depend altogether on cotton—it is too uncertain. It is never a good idea to put your eggs all in one basket, no matter how strong the basket nor how plentiful the eggs."

And from its observation and experience this bank finds that "those farmers who have good, well-bred cows, supplying their own family with milk and selling the surplus cream, have gradually grown more prosperous and are less embarrassed by debt." It believes that "if all the farmers will have from three to ten well-bred cows, 50 to 100 good hens and a brood sow on each farm, it will add greatly to the prosperity of this section." And it adds: "We believe in selling cream and eggs every week in the year; they help finance your crop and keep up the family automobile; we believe in building up the soil and raising more cotton on less acres."

So, in practical fashion, the bankers and business men of Lee county, of which Tupelo is the center, employed a dairy expert to go through the county, getting more farmers to milk more and better cows, to assist them in getting good pastures and more feed, and to be their adviser in regard to all dairy operations. So great has been the success of this movement that the banks have put up a budget of over \$5000 a year to keep it going. As one result, 200 cars of heifers and cows were shipped out of the county last year, and for some time it has been shipping about four cars a week into northern Illinois and Iowa.

This fine, constructive movement of the Peoples Bank & Trust Company is not patented or copyrighted. There is every reason why other banks should adopt it.

Industrial Development Through Wide Publicity.

SOME months ago the people of Atlanta came to the conclusion that the natural progress of that city was not in keeping with what it had been in former years and with what its advantageous location justified. After a thorough study of the whole situation they decided to raise an advertising fund of \$250,000 or thereabouts for the purpose of carrying on a broad campaign throughout the North and the East to show the advantages which Atlanta offered for the establishment of new industries or the location of important business enterprises. The result of this campaign, which has been in operation only four months, is strikingly stated in a letter from Atlanta to the MANUFACTURERS RECORD as follows:

"That payrolls amounting to \$2,500,000 have been brought into Atlanta since the advertising campaign of the city was started four months ago was the statement made by Ivan Allen, chairman of the Forward Atlanta Commission, recently.

"Eight of the 48 firms which have located in Atlanta since the advertising campaign was inaugurated the first of the year," says Mr. Allen, "have yearly payrolls amounting to \$750,000, or more than three times the amount of the advertising fund.

"The 48 firms which have moved to the city during the past four months have payrolls which will probably total in the neighborhood of two and a half million dollars—or more than ten times the amount expended.

"An average of 2500 persons have been coming into Atlanta every month since the campaign opened, and the general trend along this line is further illustrated by the fact that 750 school children have registered in the city schools during the past 45 days. At no time in the history of the city has there been a greater increase in population.

"And since the campaign has opened the commission has received correspondence from 1000 firms asking for information about Atlanta. Every one of these 1000 business and industrial firms represents a prospective establishment in the city.

"Of course, not all of the new firms have been secured directly as a result of the advertising campaign. Some of them would have come in naturally. Others have been secured through the efficient work of Fred Newell, in charge of the Industrial Bureau of the Atlanta Chamber of Commerce, who was at work all last year on the proposition. But the inference is too plain to be missed. And it is not a coincidence that the great increase in the number of business firms coming into the city should be timed with the advertising campaign. The moral to the story is clear:

"It pays to advertise."

Here is a specific statement from the chairman of the commission. Of the 48 firms which have located in Atlanta since this campaign was inaugurated, eight of them will have yearly payrolls amounting to three times the total amount of the advertising fund. For the whole of the 48 firms brought to the city during that period there will be a payroll of about \$2,500,000, or ten times the amount of the advertising fund. Moreover, a thousand or more business concerns in other parts of the country, many of them representing large industrial enterprises, have sought information about Atlanta as a result of this advertising campaign. Surely, Atlanta has thus demonstrated the tremendous power of publicity, and the money which its people are expending in this campaign will be returned to them many-fold through increased business and increased prosperity throughout all the ramifications of the city's life.

A proposition has been made in Florida by responsible people of the state for Florida to spend \$1,000,000 in advertising, in order to counteract some of the propaganda against that state which has been so widespread throughout the country. The suggestion is a good one, provided the advertising is wisely done. That campaign, if inaugurated, should stress the industrial, agricultural and commercial opportunities in Florida. Far too little has been said of these advantages, and the general public, even the people of Florida themselves, have had comparatively little appreciation

of how great are the possibilities of these three things and, pre-eminently, the industrial opportunities.

Tampa and Jacksonville are striking illustrations of manufacturing progress. For years great attention has been given to the upbuilding of their manufacturing interests, and with remarkable success. Throughout the state this same spirit should prevail, and the advertising which the state of Florida may undertake to do as a state should be concentrated largely upon industrial potentialities first and upon agriculture and commerce second and third.

Every state in the South has peculiar advantages, and these strategic advantages should be emphasized over and over again in every publicity campaign which these states or their business organizations may conduct.

An interesting illustration came to the MANUFACTURERS RECORD a few days ago of a Southern town which had advertised rather freely without securing what its people thought were results in keeping with the expenditure they had been making. It was suggested that possibly this great publicity campaign had stimulated the local people to utilize their own advantages and expand their industries, and it was found that this was true and that many industrial enterprises in that community were increasing their capacity from 75 to 100 per cent, largely stimulated thereto by the public spirit aroused by the advertising campaign and the local discussion which had followed this work. An old story often told is worth being repeated again:

A dissatisfied farmer concluded to sell his farm and go elsewhere. A real estate agent was employed to undertake the sale. A few days thereafter the farmer read an advertisement which pictured so interestingly the advantages of a farm that was offered for sale that he made inquiry, and to his surprise learned that it was his own farm that was being advertised. Item by item he went over the advertisement with the agent and had to admit that not a single statement had been overdrawn, and then when he began to study the picture as a whole he concluded that he would retain his farm and throw a little more energy into operating it.

When a community begins an intelligent campaign of publicity, at home or abroad, the local people themselves are stirred into larger activity and they soon get a new conception of the possibilities of their own town, and thus go forward with increased energy and a new driving power.

HOW TO SPREAD THE NEWS OF THE SOUTH.

A BUSINESS man of Portland, Maine, representing a big industrial company, writes the MANUFACTURERS RECORD as follows:

"I wrote to the Birmingham News and the Montgomery Advertiser for some data on the present and future advantages of the South. Both papers referred me to you and your Blue Book of Southern Progress. I have been asked to say a few words, at one of our clubs, on the advantages of the South, present and future. I shall be very glad to remit to you the price of the Blue Book of Southern Progress—also the price of any other similar data that might be of interest."

The Montgomery Advertiser and the Birmingham News in writing to this Maine business man knew exactly where to tell him to look for the desired information, and that information, we doubt not, will be used to help him tell the story to the people of Maine as to what the South has and what it is doing.

This is the kind of work in which the MANUFACTURERS RECORD has been engaged for 44 years. We invite the hearty co-operation of the people of the whole South in spreading the influence of that work throughout the land.

Business Interests Sapping Initiative and Self-Reliance by Looking to Washington for Guidance.

THE effort of some of the cotton mill people of the South to get Secretary Hoover to co-operate with them in the establishment of the Textile Institute, decided upon at the Atlanta meeting of the American Cotton Manufacturers Association, and the somewhat similar effort that is being made by other large organizations, emphasizes the importance of the view recently expressed in this paper that the business men of the country should cease to look to Governmental departments to formulate these plans or to help them to carry them out.

One of the leading manufacturers of Michigan, in a recent letter to the MANUFACTURERS RECORD, explaining why the men in his industry were asking Secretary Hoover's co-operation, said:

"I very thoroughly agree with your desire to have industry depend upon its own initiative rather than depend *wholly* upon the Government. As I see it, however, dependence wholly on the Government is extremely bad policy, and, on the other hand, depending wholly upon individual initiative is impracticable from the standpoint of getting anywhere. It would be a good deal like letting every man in a regiment go it on his own. The result is that we have got to get somewhere in between these two extremes, and I have a very strong feeling, from the experience I have had, that this is exactly what Mr. Hoover is trying to do. * * * They put it up to our society, we approved of it, but realized when we came to study the situation that if we were to attempt to sell the idea on the one hand to the other lines of industry, and on the other to the purchasers, the effort and expense incident to overcoming the prejudice in favor of the old way of doing things would be almost insurmountable. We, therefore, suggested the matter to the Department of Commerce. They, in turn, took it up with the various other trade associations. * * * The reaction of these organizations was favorable. The Department of Commerce thereupon asked these organizations, plus organizations and individuals representing either large purchasers or large bodies of purchasers of various kinds, to meet in Washington and talk the matter over. * * *

"This is certainly a distinct case of the initiative for this improvement, if you think it an improvement, coming from the industry itself. There is really no dependence on the Government, except to act as a voluntary clearing house and a forum where all the various people interested can get together under auspices which will remove the suspicion that somebody is trying to take advantage of someone else.

"During the meeting of the committee, of which I am a member, in Washington last month, Mr. Hoover made three remarks which seemed to me to be very significant. The first was:

"'It is the ambition of my life to help make American industry self-governing.'

"The second was:

"'There is absolutely nothing of a regulatory nature in this department or in this movement. We are simply placing ourselves at the disposal of industry in an endeavor to co-operate with it in any manner which will be of benefit to industry itself.'

"And the final one was:

"'We have found in our experience that in practically every industry about 60 per cent of the members belong to their trade association. We cannot work except through these associations. Our only function is to work with the association and try and solve some of its problems; then, having arrived at what seems to be a solution, help that trade association to sell it to those who are outside, and unless 80 per cent of the industry accepts these solutions we do not approve of it as a standard practice.'

"* * * I was originally rather skeptical of the whole proposition, rather afraid lest it was another case of the Government getting too much of an influence and hold on business affairs. I still have an open mind on it, although I am very frank to say that I have swung around a good deal and am leaning to the other side. I am thoroughly opposed to industry relying wholly on the Government. I can see a tremendous lot of benefit, however, to be derived from co-

operation between industry and the Government, and it looks to me as though this present movement is but an exemplification and amplification of President Coolidge's statement, 'The business of America is business.'

That is a very interesting presentation of that side of the case, but it does not in the slightest change the views of the MANUFACTURERS RECORD in regard to the unwisdom of business turning to the Government in every emergency of every kind, asking the Government to pull the chestnuts out of the fire. If once the growing spirit of dependence upon bureaucratic methods gets control of the thought of the business people of the country it will be difficult, if not impossible, to break that unfortunate power.

Secretary Hoover may be able to wisely guide these movements and assist in settling these problems; but Secretary Hoover will not always remain in office. Other men, less wise, less efficient and less capable of understanding the situation may follow him. Moreover, all that Secretary Hoover does in this respect merely intensifies the bureaucratic spirit which more and more is seeking to dominate the country. This spirit is in evidence in the desire of Washington bureaucrats to absolutely control the employment of "persons under 18 years of age". It also desires to completely control the educational influence of the country, and tremendous efforts are being made year after year for the passage of the 20th Amendment, the so-called Child Labor Amendment, to take entirely away from the states, or from the parents, the control of everybody under 18 years of age. Equal efforts are being made to establish a Department of Education, which sooner or later, if established, would completely dominate the entire educational work of the country.

If the business men are made to believe that they cannot solve their problems because of jealousies within their own ranks and on their own responsibility, and without looking to Washington bureaus or departments to do these things for them, how can they ever expect to prevent the ultimate adoption of complete regulation of so-called child employment and the control of educational work and all other things pertaining to the social and the material welfare of people?

We already have a bureau that undertakes to tell the expectant mother what she must or must not do. We have bureaus for this, that and the other thing, and the bureau spirit is spreading with such amazing rapidity that no one can foresee the end.

Secretary Hoover's desire to make America's industry self-governing cannot be accomplished so long as business men fail to undertake to carry forward to success all movements intended to eliminate evils in trade practice. We have long had in this country the motto "Less politics in business and more business in politics." If our business men would take as active part as they should do in making certain that business is put into politics and that politics does not control business, we might change the trend which looks to the centralization in Washington of everything pertaining to human activities. Washington bureaus feed upon increasing public interest in what they are doing. They are ever grasping for more power and more money. One department, for instance, sends out circular announcements telling people how the rooms in their houses should be furnished; how this room and that room should be made to harmonize with some other scheme; as though the people of the country, home owners, architects and builders, absolutely lacked all power to decide these things for themselves. In this way, gradually but surely, individual responsibility and initiative are being

broken down under the domination of a centralized bureaucratic influence almost as dominant in many things as the Government in Russia itself.

It is for these reasons that the MANUFACTURERS RECORD is strongly inclined to question the wisdom of our business people looking to Secretary Hoover, or anyone else, for guidance in things which they ought to work out for themselves. However good may be the temporary results achieved by this co-operation of the Government with business in the doing of these things, the result in the long run will, we believe, be disastrous by sapping the initiative of American business people, and, indeed, of the American people as a whole, who are even now beginning to think and act as though nothing is worth while doing that has not in advance received the sanction of some Washington bureau.

When the American Iron and Steel Institute was organized during the panicky days of 1907 and 1908, the problems which these interests faced were far greater than the problems that the textile industry or any other industry of today have to face. Nevertheless, the men who brought into being the American Iron and Steel Institute, perhaps the greatest business organization in the world, did not look to the Government for the plan of organization, or how its affairs should be conducted. These men had the genius, the initiative and the broad vision to organize for themselves, and to bring into being an enterprise which has been of enormous value to the iron and steel industry in all its widest ramifications. They neither looked to Washington departments or bureaus for instructions as to how to organize, nor to Washington as a meeting place in which to thresh out the problems they confronted. Months of study and investigation were given by the leaders in the industry to the plan which was in their minds but not in complete shape.

When the turpentine interests of the country a few years ago realized the almost hopeless condition into which that industry had fallen, they organized the Pine Institute of America and formulated plans for putting that industry on a sound footing and making it a source of permanent business, bearing directly on reforestation, on wise legislation for forest production, on taxation and other problems connected with a thoroughly disorganized and, it might be said, an almost bankrupt situation—not bankrupt in the financial sense, but in the conditions prevailing, heading the industry toward ultimate financial bankruptcy and destruction.

The men who planned this organization, however, did not look to Washington as a meeting place, nor to Washington authorities to tell them how to organize, or how to solve their problems; and their problems were certainly as serious as those which any other industry in the country has had to face, but they had the wisdom to undertake on their own initiative and responsibility to solve these problems.

Every movement of the business interests of the country to depend upon Secretary Hoover, or upon any other Washington official, to help them solve the problems they should solve themselves only serves to intensify the growing centralization of power in Washington to the ultimate great disadvantage of the country.

AS ALWAYS.

FURTHER honor is brought to the South by one of its sons in the announced achievement of William C. Baker, Jr., of Clinton, Tenn., in leading his class at the Military Academy at West Point, graduating this spring. Cadet Baker, who is 22 years old, is reported as having had "a most distinguished record as a student, having led his class each year since entering at West Point." Among the other 16 cadets receiving the award of Distinguished Cadet were Luke W. Finlay of Tennessee, James L. Green of Alabama and Frank L. Blue, Jr., North Carolina. The honor roll of the South grows almost daily in a wide range of lines.

SENATOR BORAH ON "CONSTITUTIONAL ANARCHY."

CONCLUSIVE and convincing were the words of Senator William E. Borah, speaking on a proposed referendum in New York state on Prohibition, at a recent public meeting in Baltimore:

"To disregard our Constitution, to evade it, to nullify it, while still refusing to change it, is to plant the seeds of destruction in the heart of the nation—is to confess before the world that we have neither the moral courage nor the intellectual sturdiness for self-government."

In short, as the MANUFACTURERS RECORD recently pointed out, any "referendum" on the Constitution or any integral part thereof is an attack on Constitutional government which, if successful, will, and inevitably must, destroy the nation.

Although speaking of New York specifically, Senator Borah's remarks are applicable to every state in the Union which, in permitting a Prohibition or other Constitutional referendum, joins the forces that would overthrow Constitutional government in the United States. Said he:

"A great state has submitted this (Prohibition) question to a referendum: 'Should the Congress of the United States modify the Federal act to enforce the Eighteenth Amendment to the Constitution of the United States so that the same shall not prohibit the manufacture, sale, transportation, importation or exportation of beverages which are not in fact intoxicating as determined in accordance with the laws of the respective states?'"

"What does it mean? It is difficult to tell. You can only speculate. Its authors have never undertaken to explain to the public its meaning or to advise the voters how it can be carried into effect.

"If this scheme could be put into effect 48 states would construe the Federal Constitution, and the Federal authorities would have to accept the 48 constructions. We might have 48 different standards of intoxicating liquor and 48 different methods of determining intoxicating liquor. Each state would have the right to ship its brand of liquor into every other state.

"The Federal Government would be placed in the position of conniving at this condition and compelled to sit silent and supine while confusion reigned supreme over the prostrated and discredited form of the Federal Constitution. Although the Federal Government is the defender and the interpreter of the Federal Constitution, it is by this program to be called upon to abdicate, to surrender and leave all to the states. This is Constitutional anarchy."

"Constitutional anarchy"—in those two words Senator Borah described with the perfection of accuracy the policy of Constitutional referenda.

The established institution of national Prohibition can be upset in either of two ways: By orderly and lawful repeal of the Eighteenth Amendment, or by a national defiance which, in disregarding the Amendment, will destroy the Constitution, will destroy Constitutional government in this land and ultimately will destroy the nation. As Senator Borah put it:

"If the people want to take the Eighteenth Amendment out of the Constitution in the only Constitutional way it can be taken out, if they want to turn this problem back to the states, and believe that to be the wiser course, that is their unquestioned right. But so long as it stands, speaking for myself, I would kick into the waste basket any referendum which would compromise either in letter or in spirit with its execution."

Great as he considers the "liquor question," Senator Borah regards the question of the capacity of the American people for Constitutional government as even greater.

"The question of the hour," says Senator Borah, "is: Shall we live up to and enforce that provision of the Constitution until in the orderly method pointed out by the Constitution we see fit to change it? Can we enforce the law which we have deliberately made? It is perhaps as definite and specific a challenge of our love for the Constitution, our capacity for self-government, as could be presented to our people. I am infinitely more concerned about the willingness and ability

of our people to meet that test than I am about the liquor traffic, brutal and ruthless as I know it to be. The supreme test of a free government is the right of the people to write and unwrite its Constitution and its laws. The supreme test of good citizenship is to obey the Constitution and the laws when written."

In the face of this requisite for good citizenship, however, one sees men in high places of authority—the Governors of more than one state, members of the National Senate and House—leading, through a proposed referendum, a movement amounting almost to treason in its onslaught on the Constitution and the Constitutional form of government in the United States, promoters of "Constitutional anarchy." They have no reasonable excuse whatever for their course. As the MANUFACTURERS RECORD has said and as Senator Borah corroborates, there is only one Constitutional, lawful, orderly and honest method for these and other liquor advocates to pursue: To introduce a Constitutional amendment for repeal of the Eighteenth Amendment and, if by any possibility they can squeeze this through the Congress, to submit it to the states through their legislatures.

Referenda mean nothing in law in this rebellion; they are fit only for the waste basket into which Senator Borah would "kick" them. They deceive the people and they create a restlessness and discontent dangerous to any government in the world. They incite and promote a spirit of disregard and hostility to the Constitution and the Government founded upon it. The spirit of Benedict Arnold is in the agitators and their movement.

Equally interesting, on a collateral line, are remarks by Senator Thomas J. Walsh, Democrat, from Montana:

"If the referendum shall result as hoped by the wets, obviously some change in the present policy of the Government as represented in the Constitution and in the statutes will necessarily follow. But, suppose, Mr. President, the result shall be otherwise, and that the present policy shall be confirmed, then what? Does anyone imagine that the gentlemen who tell us that the Volstead law and the Constitutional amendment are violative of the fundamentals of liberty and thus encourage violators of the law in their conduct will thereupon desist from so arguing?"

No one in his right mind so imagines for an instant.

Let us hear the conclusion of the whole matter:

1. State referenda are of no concrete weight or value.
2. There is no authority in the Constitution for a national referendum.

It is high time that supporters of the Constitutional form of government in the United States, supporters both in Congress and in private life, arise in their might—the might of right—and stamp out this insurrection and subdue its leaders.

As to the evils of liquor, some of them were denounced thus by Senator Borah:

"I believe the liquor traffic to be a curse to the human family. Whether sold in the open saloon or the brothel, its natural haunt, or secretly purveyed in defiance of law, the wicked stuff works its demoralization and ruin to individuals, communities and states.

"From the time it issues from the coiled and copper-colored worm in the distillery until it empties in the hell of crime, dishonor and death, misery and poverty and remorse marks its maledict course. Not only is the record of the centuries made up against it, but now the modern industrial world, with its complex and delicate machinery, with its demand for security, safety and fitness, asks that it be banished.

"The man in the automobile may be opposed to the Eighteenth Amendment, but he will instantly discharge a drinking chauffeur. The train may be crowded with delegates to the anti-Prohibition convention, but they would mob the engineer who would take a drink while drawing his precious freight. The industrial magnate may talk critically of sumptuary laws, but he will apply them like a despot to the man who watches over the driving power of his vast establishment. When safety is involved, we are all dry. Where the exigency of modern life demands a clear brain and instant decision in order to save thousands of lives and millions of property, we are all dry."

And it is for restoration of these accursed evils in the land

that men high in official authority—some of them professed gentlemen and so regarded, all of them sworn solemnly to support the Constitution and laws of the United States—are fighting, even though their victory, if it were won, would result in the destruction of the American nation.

WOMEN'S CLUBS ON THE CHILD LABOR AMENDMENT.

NOTWITHSTANDING the fact that the conference of the General Federation of Women's Clubs recently endorsed the so-called Child Labor Amendment, it is interesting and significant to note that the vote against it on this occasion was 263, as compared with 36 a year ago, or an increase of 630 per cent in the opposition. The decision was reached in a vote on the alternative of a majority recommendation from the committee on resolutions, endorsing the proposed amendment, and a minority report, in opposition, presented by Mrs. W. F. Blackman of Orlando, Fla.

In effect, the majority report stated that "a Federal minimum protective law is necessary to guard against the industrial exploitation of children" and that the intent of the proposed amendment is to make Constitutional a Federal minimum law. On the other hand, Mrs. Blackman's substitute advocated the proper and adequate control of child labor by the individual states, while also she proposed a constructive program, which she thus summarized:

"1. The first need is for a wise and rigidly enforced school-attendance law.

"2. That every effort should be made to increase the efficiency of the public schools.

"3. That vocational and trade training should be provided in these schools.

"4. That school and community playgrounds and means of recreation, carefully supervised, should be maintained.

"5. That such organizations as the Boy Scouts, Girl Scouts and Camp Fire Girls, and other organizations of like nature, should be actively encouraged by the clubs.

"6. That as a necessary, though negative, adjunct to these positive measures for child welfare, the gainful employment of children should be regulated and prohibited by child labor laws, wisely adapted to local conditions and strictly enforced in the several states."

Whether or not one agrees with all, or only some, of Mrs. Blackman's suggestions, the patriotic, independent American man and woman must perforce endorse her main conclusion—that the foundation of civilized life is the home, and that American childhood must not be nationalized and be forced into a common, indiscriminate herd, like animals, as in Russia.

Two references to a "minimum" are made in the majority report, as already cited—a "minimum" Federal law is needed and the intent of the amendment is to make Constitutional a Federal "minimum" law. In short, what "minimum" is to be expected? In prohibition of child labor a "minimum" of 18 or 20 years might be established—ways and means might be found to extend such minimum to 21 years, or 30 or 40.

The gross evils of the proposed amendment are so well known that they hardly need be recited again at this time—they are so well known, indeed, that far more than enough states to defeat it have already rejected it through their legislatures. And it is encouraging to patriotic, independent, home-loving men and women to see that the evils of the amendment are gaining appreciation among the members of the General Federation of Women's Clubs.

A HEALTHY FINANCIAL SHOWING.

ON May 31, according to the official report of the State Government, Florida had cash on deposit amounting to \$15,376,526.53.

A BIG NEW ENGLAND COTTON MILL TO LIQUIDATE.

THE Lawrence Manufacturing Company of Lowell, Mass., one of the big cotton-mill concerns of that section, in response to a telegram of inquiry from the MANUFACTURERS RECORD, wired:

"Voted unanimously to liquidate. Left to board of directors' judgment when and how it should be done."

Preliminary statements published in the New England papers recently stated that the company would hold a meeting of stockholders on June 9 for the purpose of deciding whether to continue business or to liquidate, "owing to conditions in the textile industry and Southern competition." The dispatch which we have quoted shows that the decision of the stockholders was unanimous to liquidate, and we presume that this was brought about very largely by the fear of increasing competition in the South.

A former resident for some years of Lowell, but now living elsewhere, recently stated to the MANUFACTURERS RECORD after a visit to Lowell that pessimism and stagnation prevailed in that community and that thousands of houses were idle. Much of this pessimism, we believe, has been due to the lack of some of the cotton-mill people of today in New England having that aggressive spirit of energy and enterprise which marked the New England industrial leaders of 40 or 50 years ago. In too many cases cotton-mill manufacturers have not kept their plants up to date, and, therefore, they have let Southern competitors run away with their business. In some cases men have succeeded to the ownership or management of cotton mills in New England who were not equal to the responsibility, and the result has been that a good many New England mills are faced with exactly the conditions which have caused the Lawrence Company to liquidate. This is one more striking illustration of the southward trend of the textile industry, based in part on the South's pre-eminent advantages, in part on unwise legislation in Massachusetts and other New England states hampering industrial interests, and in part on the fact that New England labor, composed so largely of aliens, is less desirable than the native labor of the South.

ORIGIN OF THE TERM "THE NEW SOUTH."

THE PROGRESS INDEX of Petersburg, Va., is not pleased with the term "The New South" and credits it to Henry Grady. On this subject it says:

"In a letter to the MANUFACTURERS RECORD, Senator William Cabell Bruce of Maryland uses the following language:

"The true benefactor of the South in our era is the man who helps to make it rich, provided always that he does not lose the finer spirit of the Old South in the process." We never did take kindly to that term, the 'New South,' invented by Henry Grady 40 years ago and more."

It is true that Henry Grady used the term "New South," and used it freely, but he was not, so far as we can learn, the inventor of it. The MANUFACTURERS RECORD has often called attention to what is probably the first use of the term "New South," to which we have always objected even more strongly than the Progress Index.

During the Civil War, so we have been informed, while Port Royal was in control of Union troops, some of the soldiers established a little paper at that point and called it "The New South." That, we think, is probably the origin of the term.

If by the term "The New South" it is intended to convey the impression that the development of the South since the Civil War is in any way different from what was under way

prior to the Civil War, the term is a misnomer. The South of today is merely a rebirth, or a Renaissance of the Old South prior to 1861. This section is not yet doing as much relatively as the Old South was doing before the Civil War. Whatever energy and spirit of enterprise and achievement is to the credit of the South of today is due to the inherited traits of character which have come down from olden days, and to the development which was under way prior to 1860. There is scarcely an important railroad in the South which was not projected long prior to the Civil War.

The industrial development of today, the mining of coal, the manufacture of iron, the cotton mill interests, all had their origin before 1860, and the spirit of enthusiasm of the people of that day for industrial development was the forerunner of what has been accomplished since.

The newspapers of that day, as a whole, were greater, we believe, than the newspapers of today, measured by the conditions then and at present. One of the greatest industrial publications which this country has ever had was DeBow's Review, which for years prior to the Civil War carried on exactly the same kind of campaign for industrial and agricultural development, for the building up of our railroad and shipping interests as the MANUFACTURERS RECORD has been doing for the last 40 years. But measured by the increase in population and wealth of this day, DeBow's Review was doing broader and better work than the MANUFACTURERS RECORD has yet been able to do.

PRIVATE BUSINESS AND GOVERNMENT DICTATION.

AS the Iron Age expresses it, "Viewing with increasing alarm the interference of Government agents and agencies with the normal process of legitimate business," members of the American Supply and Machinery Manufacturers Association recently determined to take up with more than 500 organized trade bodies in the United States a proposition "to consider ways and means of bringing forcibly to the attention of Congress the necessity for amendment of the Sherman and other so-called anti-trust laws so that business can function fearlessly along legitimate and sensible lines."

In short, this great industrial organization adds its voice to the business and industrial chorus long lifted in protest against Government competition with private business and industry, Government intrusion in private business and industry and present Government influence and dominance in private business and industry.

As was pointed out in the MANUFACTURERS RECORD in an article on June 3, and again in this issue, private business and industry have only themselves to blame for this competition and intrusion and dictatorial influence by the Government. As long as individual business lines, industries and organizations select only Government department and bureau heads as the principal speakers at their meetings and run to Uncle Sam for counsel and advice on a thousand and one points, which they should settle for themselves, they cannot properly blame the Government for assuming an ultra-paternal attitude. As long as they importune the Government to run their business for them, they should accept such dictation with thanks, rather than protest.

The American Supply and Machinery Manufacturers Association has a great opportunity to accomplish great good in "restoring the independence of business from the Government," as Secretary Hoover practically said. But the appeal should be made first to all private business and industry to cut loose from Uncle Sam's apron strings; then, if necessary, appeal may be made to Congress to compel the Government departments and bureaus to free business and industry from Government competition, intrusion and dictation.

ATLANTA AT THE SOUTHERN EXPOSITION.

ATLANTA, according to a special dispatch published in this issue, is planning for a comprehensive exhibit at the Southern Exposition. Interesting particulars are given in the dispatch as to what Atlanta proposes to do in this respect.

Henderson Hallman, a leading attorney of Atlanta, in a letter to the *MANUFACTURERS RECORD*, referring to the work of those who are proposing to handle Atlanta's exhibit, says:

"I am congratulating Mr. Barker, Mr. Newell, Mr. Candler and Atlanta today. I am proud of Atlanta today, but Mr. Barker, Mr. Newell and myself have in mind that the interest Atlanta is taking in this year's Southern Exposition is due to what they saw in New York last year, and all they saw in New York last year is directly attributable to the vigorous campaign you put on through the *MANUFACTURERS RECORD* for the Southern Exposition last year, which meant so much for the South then and means so much for the South at this time."

MORE FEDERAL BUILDINGS NEEDED.

IT was announced a few days ago from Washington that the appropriation of \$165,000,000 to be spent during the next five years in the erection of public buildings by the Government, \$50,000,000 to be spent in Washington and the balance distributed throughout the country, would help to prevent a depression in construction work if that should be in evidence a little later on.

The utter absurdity of such a statement will instantly appear to any thoughtful man. This country is annually expending upon building operations about \$6,000,000,000, and yet the Government blandly assumes that an expenditure of \$165,000,000 during a five-year period, or \$33,000,000 a year, would have marked effect in maintaining construction activity. The amount of money to be expended by the Government in contrast with what private individuals are doing is as picayunish as the thought which we have quoted.

The Federal Government is annually spending millions of dollars in renting buildings for postoffices and other Government purposes, subjecting business interests and the employees in these buildings to many inconveniences and, instead of saving money, is spending far more than it would cost to erect suitable buildings. The Government has practically done no public building work for some years. It is far behind in facilities needed for carrying on the postoffice, the treasury department and other operations. Intelligently managed business enterprises would not for one moment subject their business interests and their employees to the conditions forced upon the country by the picayunish policies of Congress in failing to spend the money needed for the construction of buildings essential to the country's progress. Apparently Congress and the Administration are overlooking the fact that our population is growing at the rate of two million or more a year and that in the next five years the increase will be over ten million, added to the ten million gain of the last five years, and yet in that entire period they propose to spend only \$165,000,000 in public-building work.

There is a withholding which tendeth to poverty, and surely the withholding by Congress and the Administration of the money needed for public buildings tends to poverty in many directions. So rapid is the growth of American cities, for most of this increase in population is in the cities, that there are few places in the country where the postoffice facilities are not badly overcrowded or where business is not hampered by the inadequate facilities for the prompt handling of mail. These things ought not to be permitted. President Coolidge, instead of taking the viewpoint of economy in matters of this kind, might very well afford for the good of the whole country to take a decided stand in favor of appropriating, and, if

necessary, doing it by a bond issue, enough money to build promptly the most badly needed public buildings in every part of the land. In hundreds of cities—North, West, South and East—postal facilities are overcrowded and the postal business is handled under many disadvantages, and yet Congress makes no move toward meeting the situation, for the \$35,000,000 a year for the next five years proposed as the entire outlay for public buildings during that period is so beggarly that it is hardly worth consideration.

REDUCE INCOME TAXATION.

WILLIAM HEYBURN, president of the Belknap Hardware Manufacturing Company, one of the great industrial concerns of the South, writing the *MANUFACTURERS RECORD* in regard to the editorial of last week urging continued decrease of our income taxation, says:

"In line with your cover-sheet editorial in the *MANUFACTURERS RECORD* of June 10, 1926, I am sending you a copy of the Memorial to the United States Senate Finance Committee on the 1926 Federal Revenue bill prepared with my assistance in January, 1926, during the discussion of this bill in the Senate. As our views seem to practically coincide, I think this may be of interest to you.

"The statements given out by the Treasury Department, evidently similar to those furnished the Committee of Congress, appear to have been so incomplete that apparently Congress was misled as to the true condition of the Treasury and finally passed the new revenue bill without knowing to what extent further reductions might and should be made.

"I think it is safe to say that the business world is opposed to the attempt to pay off the National debt with the rapidity evidently contemplated by the Treasury Department, and unless an intelligent discussion of this question is kept going, I fear that the purposes of the Treasury Department will be carried out and no further relief will be had from taxation during the next session of Congress. For this reason I am particularly glad to see you are disposed to lead in this discussion, and if it were possible for me to assist in any way, I should be glad to do so."

On the same subject, Charles Adamson, president of the Cedartown Cotton and Export Company, writes:

"I have just read your article 'The President on Income Tax Reduction.' I desire to express my most hearty approval of your view of the situation.

"The income taxation is, as you say, a heavy burden upon business interests and the 'tax unit' is a curse to this country and the general business interests."

These two letters from strong business men are merely indicative of the spirit abroad throughout the land against a continuation of the present high rate of income taxation. The burden of this taxation is felt in all the ramifications of the business life of the country. The Government is to the extent of this taxation draining the lifeblood of business, and in the effort to reduce our bonded indebtedness more rapidly than is necessary is halting our national progress and in this way causing us annually a loss far greater than the annual amortization of our indebtedness. Income taxation is a burden from which the country should be relieved to as large an extent as possible and as rapidly as possible.

It now appears that President Coolidge has somewhat changed his mind and, instead of opposing a further decrease in income taxation, may be inclined to see this taxation reduced. But the situation is such that every influence of the business people of the country should be brought to bear upon the Administration and Congress to bring about this reduction as rapidly as possible. The views expressed by Mr. Heyburn and Mr. Adamson voice the sentiment of a very large part of the people of this country.

Industrial Development Essential to Create Home Markets for Diversified Agriculture.

By J. C. PRIDMORE, Director, Southern Division, Soil Improvement Committee, Atlanta, Ga.

[The most vital economic problem this country faces is the agricultural situation. The great victory of Brookhart over Senator Cummings, which has startled many of the politicians of the country, merely serves to show the undercurrent of sentiment throughout the agricultural interests. The farmers of the nation, well-nigh bankrupted as a whole, and hundreds of thousands of them completely bankrupted by the drastic deflation campaign of 1920, meeting, as they had to do, a staggering loss in farm values and in farm crop values between 1919 and 1921 of over \$30,000,000,000, feel that there is something wrong; indeed, they know that there is something wrong. They know that this fundamental industry should have some fair share in national prosperity. It has had very little share since that deflation campaign which, hard as it was upon the general business interests of the country, was desperately hard upon agriculture.]

Believing that we could do no higher service to the industrial and general business interests of the country than to open our pages to a wide discussion of this whole situation, we are continuing this week the symposium of letters which we have been carrying for some weeks bearing on the agricultural situation as viewed from different angles.—Editor Manufacturers Record.]

The policy of opening the columns of the MANUFACTURERS RECORD as a clearing-house, so to speak, for ideas relating to the agricultural situation in the South is most commendable. Out of the discussions should come information that may serve as a basis for a constructive agricultural program for this region.

From a summary of the thought that has been presented to date it is apparent that there is a unanimous agreement that the farming industry of the South, particularly in the older states, is in a bad way, and must have some constructive thought and leadership to put it upon a profitable basis where it belongs. Each of the articles contributed so far has pointed out some of the evils of the agricultural practices followed in this region, among these being the lack of proper diversification of crops. In fact, one of the common criticisms of the practices of the cotton farmer is that he plants too much of his acreage to cotton, and does not give enough land, time and attention to the production of other crops.

In support of this idea some of the writers contend that diversification is not only necessary, but is the only salvation of, and the only solution to, the problem confronted by the Southern farmer. They contend that the diversification plan must be carried beyond present practices. No data have been submitted to support these views.

The writer believes that the practices of the majority of farmers in a given region, as a rule, are the safest guides to be followed by the farmers in that region. Southern farmers, especially the better ones in the older part of the South, particularly in the Carolinas, Georgia and Alabama, are following safe and sound economic practices in apportioning their cultivated acreage to different crops at the present time. A marked change from the present division would mean an economic loss to them.

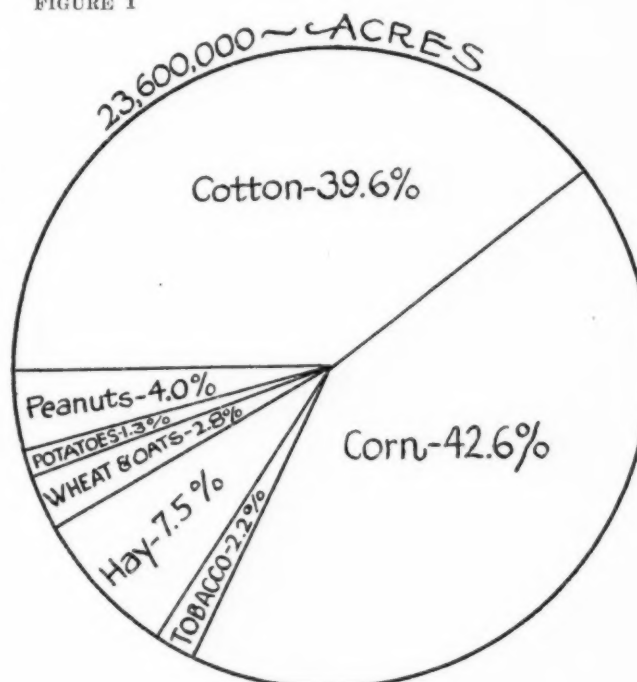
The accompanying diagram shows the per cent of the land for each of the important crops in these four states.

As will be seen from this illustration, approximately 40 per cent of the total cultivated acreage of this region is devoted to cotton. Contrary to common belief, more acreage is devoted to corn in this section as a whole than to cotton, the corn acreage comprising 42.6 per cent of the entire cultivated area, or 3 per cent more than for cotton. Even if we eliminate North Carolina from the list and take South Carolina, Georgia and Alabama into consideration, we find that there was more land devoted to corn in 1925 in these states than to cotton, corn having been grown on 8,098,011 acres, while 7,616,484 acres were devoted to cotton, a difference of

481,527 acres in favor of corn. As a general average, cotton and corn utilize approximately 80 per cent of the cultivated acreage of these four states, leaving around 20 per cent for all other crops.

But acreage is one thing, while values per acre from farm

FIGURE 1



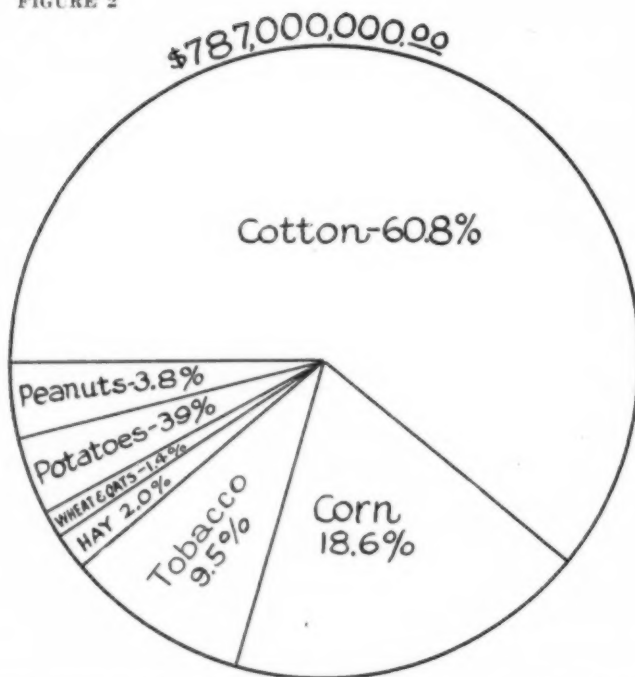
PER CENT ACREAGE GROWN TO DIFFERENT CROPS IN CAROLINAS, GEORGIA AND ALABAMA.

crops means still another. We must recognize the fact that the farmer is working largely for the money which he can get out of his various farm operations. It is interesting to note in this connection the values of the major crops grown in the states mentioned, and to compare acreage and values.

As may be seen by a study of the illustration, while cotton is grown on only 40 per cent of the acreage, it constitutes nearly 61 per cent of the total values of the crops of these four states. Corn, on the other hand, while grown on nearly 43 per cent of the acreage, constitutes only 18.6 per cent of the total values of the crops grown. Tobacco, occupying only a little more than 2 per cent of the acreage, gives 9.5 per cent of the values of all the crops. The other crops occupy relatively small areas and give comparatively small total values.

These illustrations are based upon data taken from the

FIGURE 2



PER CENT VALUES DIFFERENT CROPS TO TOTAL VALUES OF LEADING CROPS IN CAROLINAS, GEORGIA AND ALABAMA.

census reports of 1925, the values of the crops having been figured as of December 1, 1924.

In the light of the facts presented in these two illustrations we do not concur in the opinions of those who believe that the Southeastern farmers are putting too great a proportion of their land in cotton. We do believe that there are instances where special crops, such as tobacco, potatoes, or some of the truck crops, could be grown more advantageously than cotton or corn or other general field crops. We cannot find a sound basis for arguments justifying any appreciable change in reapportioning the lands in these states to the various crops. Certainly, we fail to appreciate the reason of advocates of diversification if their idea is to eliminate cotton and substitute corn or other crops of less value than cotton. Can they suggest a crop to take the place of cotton, which, grown on an extensive scale, will make the farmers as much money as cotton?

We do believe that the farmers of this section should grow their farm and home market needs for corn, hay, potatoes and the like, where this can be done, notwithstanding the fact that the commercial values of these crops are comparatively small. There are thousands of cases, however, where it will pay to grow cotton with which to buy corn, hay and the like, especially where the soils and markets are well adjusted to cotton, and not so well adapted to other crops, and where an acre of cotton can be made to buy several times as much corn or hay as this same acre will produce.

While a little more than 70 per cent of the total leading crop values came from cotton and tobacco in these four states, as reported in 1925, we find that there is much discontent in the minds of the farmers, as has already been brought out in your discussions. It is apparent that the farmers are dissatisfied with the profits they are making in their farming operations, and are, therefore, leaving the farm for other work. This is proven by the fact that approximately 100,000 farmers left the farm in South Carolina, Georgia and Alabama in the short period from 1920 to 1925. North Carolina gained nearly 14,000 during the same time.

But even though there was a loss of nearly 100,000 farmers from these three states, this should not be viewed with alarm. Still others perhaps should have left, or should leave, especially those whose income on the farm is so small as to

merely afford an existence. Many of these who are now making a bare living could do far better by themselves and families in other work. Not only could they improve their own conditions by leaving the farm, but conditions would be improved from the standpoint of farming as a whole, because the sum total of the production of these unprofitable and marginal farmers supplies a considerable market demand and tends to lower the price to the point where all farmers get little or nothing for their labors.

Some of the discussions have developed the fact that tenancy is on the increase and that this is a bad omen. Statistics show that tenancy has increased from 57.6 per cent in 1920 to 58.6 per cent in 1925, or an increase of only 1 per cent.

In this period of time it is brought out by some of the bring on the bad agricultural situation obtaining in the Old South. It is true that the average value of farm land and buildings has decreased appreciably since 1920. The average value of land alone in these four states has decreased from \$47.90 per acre to \$36.18, or a decrease of \$11.72 per acre. The decrease in buildings has been about in the same proportion. From a production standpoint, and from the standpoint of making money on farming operations, the decrease in the value of buildings and lands, however, does not affect the situation adversely. A man can make as much cotton or corn on his farm when it is valued at \$47.90 as he can when it is worth only \$36.18 per acre. The buildings are equally useful, regardless of their value. For these reasons the farmer is certainly not worse off in so far as production cost is concerned. The only conditions where this will be a factor is when sales of land and houses are being made.

There seems to be a decided tendency toward the reduction of the size of farms, the average acreage in these four states having been reduced from 74.2 acres per farm in 1920 to 71.5 acres in 1925. This is a wholesome sign, since it indicates a tendency toward intensiveness in farming operations, which, in the end, will be more profitable for the producer.

The question, however, as to the disposition of the idle lands is raised. These could best be terraced where terracing is needed, and put to grass and forest, but this is more easily said than done.

The two major factors in determining the farmer's profits are the acre yields of his crops and the price received for them. From 1915 through 1919 the price of farm products increased very markedly. Even though production costs were comparatively high, the farmers were making relatively large profits, because prices were high, but in late 1919 and through 1920 and 1921 prices declined very markedly, while production costs did not decrease proportionately. There was a period of two years or more when production costs were so high and prices so low, along with low yields in many quarters, that the farmers could not make ends meet. These facts explain, in part at least, we think, the reason why many believe that farming in the old South has gone to the "bowwows." The standard by which they made comparisons is at fault. They used the inflated and abnormal period of the war and the short period following, rather than the pre-war, normal conditions, as standard of measurement.

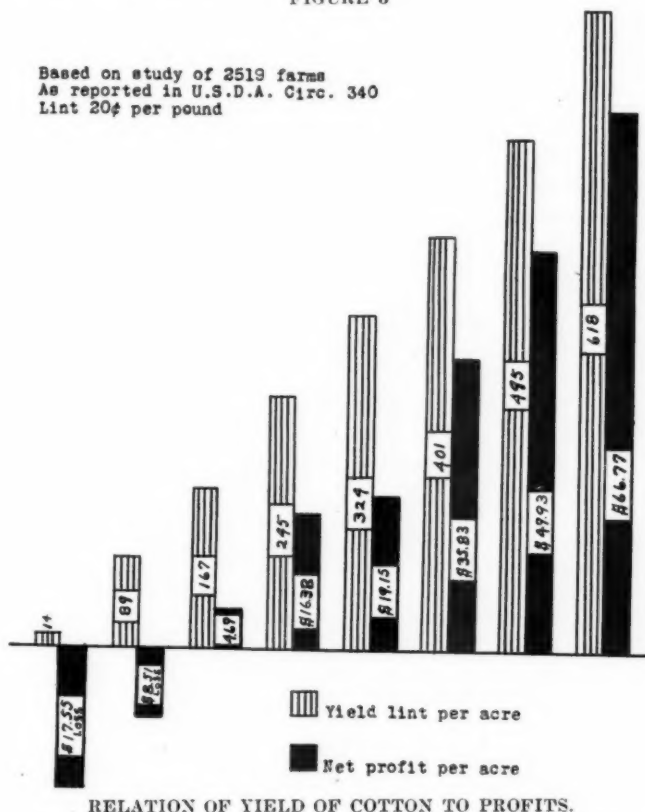
The most hopeful sign of agriculture is the tendency of the farmer to intensify his efforts, as much as labor and other conditions will permit, on the most productive part of his farm, and to leave out as much as can be done the more unprofitable acres, returns from which would be small, or cause actual losses when cultivated. Along with this tendency toward intensifying is seen a keener appreciation on the part of the farmer of the factors governing yields and profits. He is learning how to use fertilizers more intelligently, with the result that he is making more liberal use of high analysis fertilizers, and he is more generally employing good seed,

thicker spacing and better cultivation of cotton; also, learning how to control insects, particularly the boll weevil.

The justification of the growing interest in the more liberal use of high-analysis fertilizers may be found in the accompanying illustration, based upon data taken from a recent Circular No. 340 of the United States Department of Agriculture, and in which is shown the relationship of the yields of cotton to profits in growing this crop. As may be seen from the diagram, the profits to the grower increase proportionately as the yields per acre increase.

FIGURE 3

Based on study of 2519 farms
As reported in U.S.D.A. Circ. 340
Lint 20¢ per pound



RELATION OF YIELD OF COTTON TO PROFITS.

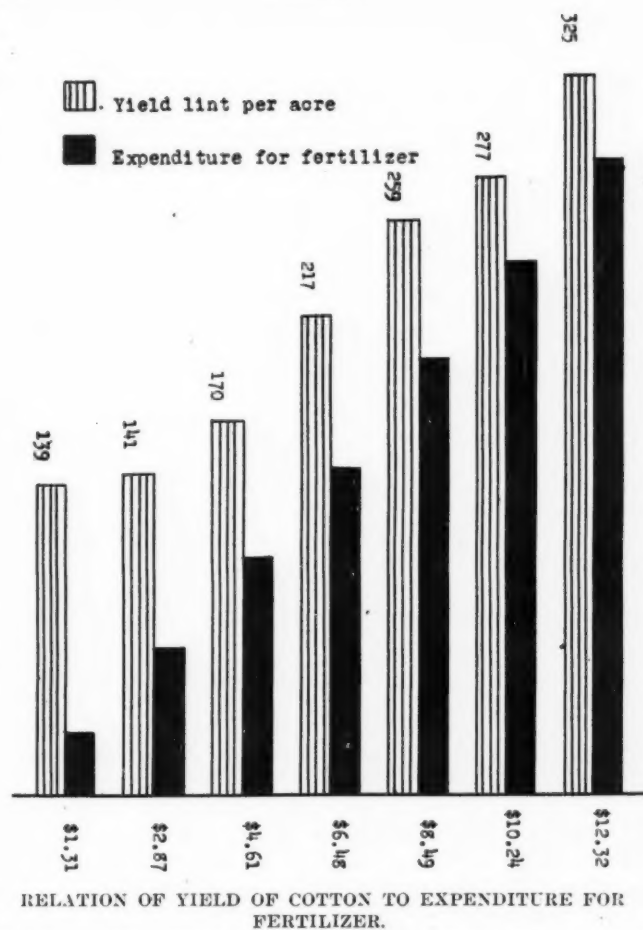
Along the same line and in connection with the question of profits in cotton production may be shown another illustration bearing on the relationship of the use of fertilizers to cotton yields, and which is based upon data taken from the circular mentioned. As may be seen from this diagram, there is a very definite relationship between the expenditures for fertilizer and cotton yields. Where \$1.31 is spent for fertilizer only 139 pounds of lint cotton per acre was produced, according to this survey. By increasing the use of fertilizer, or the fertilizer expenditures, to \$12.32 per acre, there is a corresponding increase in the production of cotton. For that reason we are fully justified in saying that as fertilizers have been increased, cotton yields, and therefore profits, have increased.

While considerable tonnage of fertilizers is being used by the cotton farmers of the entire South, particularly in the states mentioned, farmers have not yet reached the point of maximum profits to be derived from their use. As shown in another illustration, it may be seen that the tonnage being used on cotton does not approximate the amounts being recommended by the state experiment stations and colleges of agriculture, and which are based upon carefully planned, long-time experiments.

In the Carolinas, Georgia and Alabama, for example, less than 500,000 tons per state is being used on cotton, whereas the state experiment stations have found and recommend that considerably more than this quantity be used in each of the states.

When farmers use more nearly the amounts of fertilizers

FIGURE 4

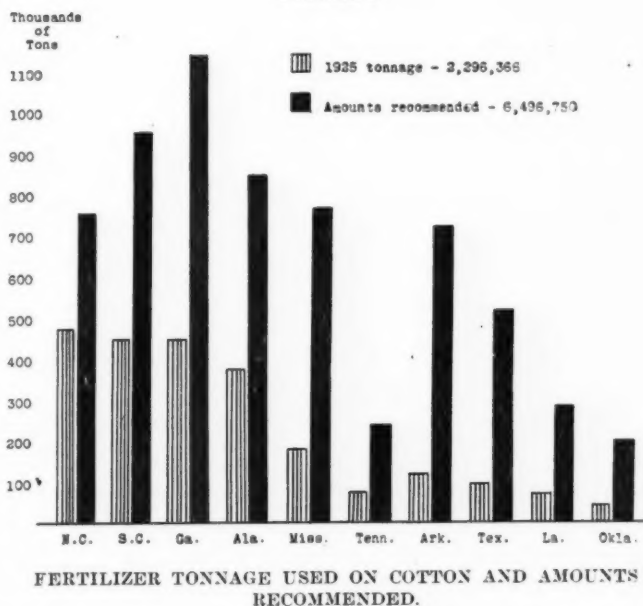


RELATION OF YIELD OF COTTON TO EXPENDITURE FOR FERTILIZER.

Based on study of 1627 farms as reported in United States Department of Agriculture, Circular 340.

that the experiment stations have found to be most profitable, and follow good farming practices otherwise, larger yields and bigger profits from their cotton, as well as other crops,

FIGURE 5



FERTILIZER TONNAGE USED ON COTTON AND AMOUNTS RECOMMENDED.

will be made. This may lead to further elimination of acreage and more intensive practices, but, even so, the farmer in the end will be making bigger profits from his efforts.

Another question bearing more closely on the matter of farm profits is that of markets, particularly home markets,

such as may be found in connection with highly developed industrial and manufacturing centers, in which the farmer may find an outlet for such crops as he may produce. Not only do these centers afford markets for the farmers, but they constitute a source of wealth for the community, and aid agriculture to bear the burden of taxation for schools, roads and other public benefits. The South can never be

what it should until its agriculture is interspersed with industry.

Give us industries to help share the burden of taxation now borne largely by unprofitable farm lands; industries to provide opportunity for engaging unprofitable farm labor; then will the better farmers, who are equipped by heritage and disposition to remain on the land, take care of themselves.

Mr. B. F. Yoakum Discusses How to Help Agriculture.

Subjoined is a copy of a letter from B. F. Yoakum to Secretary Mellon of the Treasury Department on the so-called McNary-Haugen Farm Relief bill:

"New York, June 12.

"Dear Mr. Secretary:

"The press announces that the McNary-Haugen bill has been placed before you by its advocates for your views upon its merits and practicability. The country will look with unusual interest for your opinion concerning this problem of such national importance.

"The McNary-Haugen bill and the Haugen bill have twice been defeated in the House of Representatives during the Sixty-eighth and Sixty-ninth Congresses. After this overwhelming defeat in the House, the Dickinson bill was introduced as a result of a meeting of farm leaders at Des Moines, Iowa. This meeting liberally supplied the country with its proposition for price fixing and an equalization fee. The basic commodities then to be placed under the scheme were wheat, corn and hogs. Owing to many changes in the bill, not to best conserve the farmers' interests, but to more effectively influence the political situation of members of Congress from different sections of the country, the bill now includes cotton, wheat, corn, butter, cattle and swine.

"The total of the commodities now named in the bill that were exported—based upon the total value of the crops of 1924, approximating \$12,000,000,000—represents less than 10 per cent of the total farm value of all agricultural products, made up as follows, with per cent value exports to value of all farm products:

Cotton	7.6
Wheat	1.5
Corn	1.8
Butter .....	.02
Swine .....	.01
Total	9.31

(Statistics on cattle not available.)

"The propaganda being used throughout the country, especially at Washington, is misleading.

"The advocates of the McNary-Haugen bill would have the country believe that a large majority of those engaged in agricultural pursuits are favorable to such legislation. This is not the case. For instance:

"1. Mr. S. S. Knight, representing the California Farmers' Union and the California State Grange, in a recent address, said:

"'Certainly, all forms of paternalism and cheap charities should be scrupulously avoided. Subsidies and equalization fees constitute no part of an intelligent answer, nor can they be held as sane or possible remedies when viewed in the light of world conditions.'

"2. The officers of the National Grange and the Patrons of Husbandry have never gone on record in favor of the equalization fee plan or the export corporation. On the contrary, its policy has always been opposed to Government interference in any manner with the farmers and their business.

"3. The Farmers' Educational and Co-operative Union of America in some states—under a misapprehension of the facts—has supported the program of what is known as the 'Corn Belt Committee.'

"4. The national officers of this organization, however, have not authorized any official statement in favor of the McNary-Haugen bill.

"5. The National Council of the Farmers' Co-operative Marketing Association has taken a referendum of the members of their co-operative organizations, and this refer-

endum shows that 1713 to 238 are against the surplus measures.

"6. The National Board of Farm Organizations has gone on record as opposed to the McNary-Haugen bill, and the National Association of Milk Producers is included in this, being a member of the National Board of Farm Organizations.

"The State Farm Bureau organizations of the 'Corn Belt Region' are supporting the Haugen bill. Executives of the Farm Bureau of other states have not gone on record as favoring it. With the exception of the 'Corn Belt Committee' and those in sympathy, the Haugen bill has not the support of the American farmers, as shown by their authorized farm organizations.

"A study of the uneconomical, impracticable and fundamentally unsound McNary-Haugen bill, when analyzed, shows conclusively that it would be of no benefit to the farmers, with added burdens to the already overtaxed consumer. On the other hand, the Curtis-Aswell bill provides for a simple, practicable and economic method of restoring prosperity to those engaged in agriculture, through the control and management of their own business. Under the provisions of the Curtis-Aswell bill there would be established farm commodity organizations, operated under a Federal enabling law which would permit farmers engaged in the production of the different farm commodities to nationally stabilize the prices of their respective commodities.

"The principles of farming, viewed from a business standpoint, do not differ from other lines of business where the prices of manufactured production are stabilized, distributed and marketed under a uniform system. This, of course, is more easily accomplished when handled through manufacturing and commercial enterprises, which present an entirely different situation to that of concretely organizing the distribution and sale of the products of 6,000,000 farm units. Farmers for 50 years have been operating under state and local co-operative farm organizations, of which there are now more than 12,000.

"The state and local co-operatives cannot, however, stabilize or exercise any authority over their production after their products pass from the shipping station into another state in seeking consuming markets. There is no state law that can permit the regulation of distributing and marketing products between the different states. For instance:

"The farmers of Maine, which state produces about 40,000,000 bushels of potatoes annually, two years ago held their potatoes until they sprouted in their effort to sell at a price that would pay the cost of production. The low prices paid to the potato growers of Minnesota, Colorado and other Middle and Western states have been a large factor in forcing them into bankruptcy. The present disastrous financial results would not, under any circumstances, prevail if the farmers could establish and maintain stabilized prices for their products, with a fair profit to themselves and at lower cost to the consumers.

"The existing difficulties in agriculture lie in the fact that the farmer, under the existing loose, uneconomic farming conditions, which he is powerless to prevent, receives only one-third of the price paid by the consumers for his goods. The only method under which this can be remedied is through the elimination of the four to seven profits and

multiplied commissions that are now taken out of the farmers' investments and labor between the farm and the consumer. When this is done, farming will become a profitable business—unquestionably as profitable as any other line of business in the country, with a saving to the consumer of from 15 to 20 per cent, thus reducing the present high cost of living.

"I have talked in almost every state at many farm conventions. I have yet to find a single farmer who, after understanding the system of carrying his products as directly to the consumer as practicable, and retaining his independence in the control and management of his own business, did not unqualifiedly endorse such a plan of marketing. In no instance has there ever been any hesitancy in endorsing such a plan when the farmers understood and realized what it meant to them in added profits.

"What I am trying to place before you, Mr. Secretary, is that Congress is being influenced under a misapprehension of the facts; and when its members realize and the country more fully understands the confusion that would result from a plan to handle the nation's foodstuff under such a system as provided in the McNary-Haugen bill, such a law would be condemned by the country. If Congress wants to help the farmers on sound and fundamental principles, then give them a law that will enable them to cut out the enormous and useless distributing and marketing cost.

"The farmers' business as a whole is the largest of the country. Its money value is several times greater than the total steel and oil business. How long would a managing head of great industrial enterprises stand by and see the production of their corporation sold for \$7,500,000,000, whose products are sold to their last customer, the consumer, for \$22,500,000,000 on an average of a 30-day turnover? Yet, this is exactly what is happening to the American farmer, while the whole country is stirred up over the bankrupt condition in which he finds himself.

"No kind of theorizing or unsound legislation that fails to go directly to the cause of the farmers' trouble will be of any lasting benefit. On the other hand, by permitting the farmer and the consumer to cut out the enormous middle waste that is destroying one and laying a heavy burden upon the other, will result in building up the business of agriculture upon principles that will endure. The enactment of a simple enabling law, authorizing a national co-operative marketing system, with no special privileges nor tax upon the public, under which 17 standard farm commodities, marketed under a national commodity organization, will solve the existing problem for all time, as it would be constructive and fundamentally sound.

"I stand firmly by what I said at a farmers' meeting in Texas five years ago:

"Save America by permitting the farmers to save themselves."

"Very truly yours,

"B. F. YOAKUM."

Overproduction Is the Farmer's Greatest Menace.

Colleton Mercantile & Manufacturing Co.,

Ritter, S. C., June 7.

Editor Manufacturers Record:

After thirty years' contact with Mother Earth as a dirt farmer, tilling the soil cleared and settled by my grandfather a hundred years ago, and farmed by my father for fifty years, I think I am thus rendered eligible to refer to some of the outstanding problems of the present-day farmer. I am therefore asking for a little space in the columns of the South's best friend, the MANUFACTURERS RECORD. This I say without reservation.

I have read with interest a great many articles on the

numerous problems of the farmer, and noted the apparent heroic attempt on the part of Congress to find some workable and at the same time constitutional plan of relief in order that agriculture may keep pace with industrial and commercial progress. History clearly shows that such is an economic necessity if we, as a nation, are to continue unhampered in the development of our resources.

The progress of a nation is measured by the strength of its agriculture. This much, I think, is generally admitted. If so, it behooves the Government to leave undone those things which, from my point of view, are calculated to hinder rather than promote agriculture, and do such things as will unquestionably bring about some relief.

First, abolish all so-called relief measures or Governmental aid that are designed to stimulate production, thus protecting the farmer from continuous overproduction. This greatest menace is causing the nation's largest economic loss. Such action may be regarded as quite drastic, but I am sure a sufficient number of the fittest would survive to produce the nation's requirements plus, but not so much in excess as to prove ruinous to the industry as is the case at present.

Congress is attempting to accentuate this condition through legislative activity in behalf of the farmer, which is either a mistaken kindness or the fulfillment of rash campaign promises.

Second, create a workable machine for economic distribution of farm products. The farmer is purely a producer and not a salesman, strong on the former and extremely weak on the latter. It is, therefore, contingent upon Congress, if they are in earnest about rendering a real service, to strengthen the weak points of our agricultural structure rather than aid and abet the farmer in his mad rush to ruin by providing ways and means for continuous overproduction.

I insist that a strong and efficient Governmental marketing organization would do more to solve agricultural problems than any other means of relief within Governmental scope. May our Government, therefore, provide some method of protection to both producer and consumer from the ravages of the unwieldy and expensive system now employed in distributing farm products.

If this much is done and the farmer let alone, he will soon come into his own. He will dignify the industry in such a manner that the rest of the world will look upon him with pride and respect instead of as an object of pity and ridicule. Such constructive work on the part of our leaders will transform them from what is termed average politicians into statesmen worthy of the name and of public trust.

PAUL SANDERS.

Agricultural Progress in Florida.

Miami, Fla., June 12.

Editor Manufacturers Record:

Unquestionably the most noteworthy movement that I find in Florida today is the one now just beginning, whose purpose is to cause the state to produce its own foodstuffs and, very likely, a little something over. There is nothing local or sectional about this; it is state-wide in scope, and when finally carried out will be not only state-wide, but nation-wide in benefit.

As a significant instance of the interest now being manifested in furtherance of this idea may be noted the extensive agricultural and horticultural demonstration station that is being established at Opa-Locka by Glenn H. Curtiss. In this forward step he has the co-operation of the State Board of Agriculture and of President Warfield of the Seaboard Air Line Railway.

Hitherto Florida has been chiefly emphasized in the public mind as a playground for people of wealth, based on well-

known conditions of exceptional climate. This has thus far resulted in bringing about what may be termed a "citified" development, and this is largely because it has been participated in by men of the "city" type, who are accustomed to think in terms of skyscrapers, big hotels and golf links rather than of fields of potatoes, tomatoes and general "garden truck."

Yet it is precisely this latter aspect of things that is now, for the first time, being given wide and special attention. As Mr. Curtiss said publicly in this city a few days ago: "Our cities are taking care of themselves, all right. They're growing mightily, and I'm glad of it. But cities alone will never make a great state, be sure of that. State greatness, like national greatness, depends upon the soil, upon the kind of men who live on it and upon what they raise from it."

"As United States Secretary of Agriculture Jardine stated the other day, it is a fact that the Florida Everglades alone are capable of feeding the whole United States with garden truck and other products."

I note, too, that President Warfield of the Seaboard has within a few days directed attention to the existence of "an unsurpassed vast area of tributary back country capable of feeding a nation."

All this is highly significant, of course. The plain fact is that, at this moment, Florida is bringing in, to supply its own people, millions of dollars' worth of produce every year that it not only ought to be raising for its local markets, but as shipments to other states, and even abroad.

Present conditions must simply be reversed. Developments of the "city" and "playground" order, excellent as they are, may be trusted to take care of themselves. But it is the farmer, and nobody else, who is unquestionably destined to be the future best and biggest Florida "booster"—based not only upon climatic conditions, but upon a soil that will produce not merely one crop a year, but two, three, or even four.

The forward-looking activities of Mr. Curtiss and his co-peers unquestionably signalize the beginning of a new and far more important era for this state than it has ever known, in which I not only rejoice, as a Floridian, but which I am certain will be watched with the deepest interest and approval, not only by the readers of the MANUFACTURERS RECORD but by all friends of national progress.

AVARD C. SPROUL.

[Agricultural development for Florida on a large scale is fully justified by its natural advantages, but industrial development is equally as important, and the resources for manufacturing are very great.—Editor MANUFACTURERS RECORD.]

Building 350-Mile Pipe Line in Texas to Cost \$4,000,000.

Discussing details relative to construction of a 350-mile pipe line from a point near Shamrock in Wheeler county, Texas, to the vicinity of Wichita Falls for the Northern Texas Utilities Company, the Hope Engineering and Supply Company of Mt. Vernon, Ohio, which has construction contract, advises the MANUFACTURERS RECORD that the line is expected to supply a number of towns near which it will pass. These include Wellington, Clarendon, Childress, Acme, Quanah, Chillicothe, Vernon and others, in addition to a large number of plants in Wichita county and numerous refineries. Contract with the Hope Engineering and Supply Company covers construction complete, with the furnishing of all material and labor, for approximately 100 miles of 16-inch line, 100 miles of 12-inch line and 150 miles or more of smaller pipe lines. Provision has been made for the greater part of the materials needed. It is estimated that the project will entail a cost of \$4,000,000.

An Illustration of the Value of Liberal Laws Upon State Progress.

Austin, Texas, June 14—[Special.]—Since the law which allows capital outside of Texas to own a controlling interest in a domestic corporation went into effect, just a year ago, the state has been flooded with big business enterprises. The records of the Secretary of State's office show that during the 12 months 292 outside corporations have been admitted to do business in Texas. They have a combined capital stock of \$1,700,000,000, and the assets of these companies will run more than \$2,000,000,000. Domestic corporations have been created during the same term with an aggregate capital stock of approximately \$680,000,000.

"When our local people can see the activity of foreign corporations in this state, it is an encouragement to them to organize their capital and immediately get busy in the development of the state's resources and thereby keep Texas money at home," said D. A. Gregg, Assistant Secretary of State. "Besides, it furnishes a market for the state's products that did not exist before. This is notably true in reference to oil. While we do not have many foreign oil companies doing business in Texas, we have foreign money invested in Texas companies to that extent that they become gigantic business enterprises incorporated under the laws of the state and furnish a market for the small man to market his oil and thereby allow the little fellow to get some of the cream along with the others."

A few of the many other companies that have secured permits to do business in the state since the new law went into effect follow:

Singer Sewing Machine Company, New York, capital \$10,000,000; York Products Corporation, New York, \$1,500,000; Republic Production Company, Wilmington, Del., \$5,000,000; Rosenbaum Grain Company, Chicago, \$3,625,000; J. C. Penney Company, New York, \$35,000,000; Rycade Oil Corporation, Wilmington, Del., \$4,000,000; Illinois Merchants Trust Company, Chicago, \$15,000,000; American Smelting and Refining Company, New York, \$115,000,000; National City Company, New York, \$12,500,000; E. Z. Opener Bag Company, Wilmington, Del., \$10,000,000; Hope Engineering and Supply Company, \$1,000,000; National Cash Register Company, \$29,000,000; United States Bond, Mortgage and Trust Company, \$3,000,000; York Safe and Lock Company, \$3,152,500; Houston Gulf Gas Company, which has invested \$7,000,000; MacMillan Company, New York, \$2,695,000; United States Savings Bank, Detroit, \$1,000,000; Oil Well Supply, \$22,000,000; Texas Steel Company, \$25,000,000; International Vegetable Oil Company, Memphis, \$1,607,400; Graybar Electric Company, \$15,000,000; Southern Acid and Supply Company, \$2,795,000; Stone & Webster, Boston, \$12,000,000; Matthews Brass Company, Milwaukee, \$400,000; Clark Brothers, Olean, N. Y., \$1,000,000.

In addition to the aforementioned, permits to do business in Texas and to operate manufacturing plants in the state have been granted to hundreds of different concerns for the manufacture of cement, concrete pipe, ice plants, cotton gins, cotton exporting companies, peanut and cottonseed oil, vitrified granite and for many other lines of business.

Two Power Companies Consolidate in Virginia.

Norton, Va.—A new Company, to be known as the Old Dominion Power Company, has lately been chartered for the purpose of consolidating a company of the same name operating in Wise and Russell counties, Virginia, and the Electric Transmission Company of Virginia, operating in Wise and Lee counties. A deed of trust for \$2,650,000 has been executed by the new company in favor of a Chicago banking house to secure a bond issue of equal amount. A. O. Umstead is the local manager of the new company.

Constructive Work by National Real Estate Convention in Annual Meeting.

Through the deliberations, conferences and conclusions of approximately 3000 delegates, the real estate business of the United States took account of stock last week at the nineteenth annual convention of the National Association of Real Estate Boards, held at Tulsa, Okla. Many questions of tremendous import were discussed and every effort was made toward establishing the real estate business on a sound, constructive foundation, with minimum recognition of the speculation features.

As was to be expected because of the great progress and development of the South—of every state in that section and of the area as a whole—the South was liberally represented and its representatives were accorded high recognition. A Southern man, C. C. Hieatt of Louisville, was elected president, and Southern men were placed in other places of responsibility.

One of the most interesting addresses in the numerous conferences was that of David L. Wickens, who told the industrial property conference that surety companies in the future will guarantee the repayment of funds loaned on industrial properties, thereby making this form of investment popular and assisting in solving the problem of the manufacturer anxious to obtain funds for expansion purposes. He added that there is a wide gap between investors and industrial properties that must be altered if manufacturers are to expand and new industries be brought to the cities. Urging education of capital to the soundness of the industrial property investment, he said that the way to close the gap between investing capital and industrial property is "by the formation of surety companies which will issue policies to investors guaranteeing the repayment of loans on industrial properties, together with all interest in case of default."

The first obligation of a realtor, said Harry H. Culver of Culver City, Cal., is service to his community, and he urged constant practice of the code of ethics established by the National Association of Real Estate Boards, while Leonard P. Reaume, former president of the Detroit Real Estate Board, predicted the amalgamation of real estate brokers into large, consolidated corporations; such a combination, he said, would afford the best service to the public and would promote the greatest success to the operators.

Great interest was accorded to a special report of a research committee read before the mortgage and finance division, in which the committee showed that mortgage investments yield 30 per cent more than investments in stocks and bonds. The figures were furnished by the Alfred M. Best Company. The study covered the investment of 230 insurance companies, each having assets in 1925 equal to or above \$500,000. The report said that life insurance companies with \$11,000,000,000 in investments increased their mortgage investments from 31.65 per cent in 1911 to 40.5 per cent in 1925.

In the same conference Louis E. Wurfel of Newark, N. J., assistant secretary of the Prudential Insurance Company, declared that "with the largest sums of money being loaned on real estate mortgages during the last 50 years by banks, building and loan associations and insurance companies, the losses on such investments have been comparatively negligible."

He said that this safety in mortgage investments rests on more than land plus brick and mortar.

"It rests upon a human element, an additional factor of safety which stands between the investor and loss, an inher-

ent value not found in other forms of investment, the instinct of the homemaker," he said.

One of the features of the convention was a field trip by the farm land division through the adjacent agricultural territory, more than 300 delegates participating in the inspection. "This is the first time the division has spent an entire day seeing the things it is supposed to see," said Chairman H. H. Richardson of Jacksonville, Fla., "and this is by far the greatest meeting this division ever has had." Among the field crops inspected were cotton, corn, wheat, oats, alfalfa, sweet clover, prairie hay, rough feeds and cow peas; also, spinach, onions, cabbage, sweet potatoes, white potatoes, watermelons, cantaloupes, radishes and carrots. Close views also were obtained of dairying, hog raising, the poultry business and beef cattle.

Besides the election of Mr. Hieatt as president, Southern men were selected for other positions, as follows:

District Vice-Presidents—Harry T. Sharpe, Asheville, Fourth district, North and South Carolina, Virginia and Georgia; Frank J. Pepper, Miami, Fifth district, Florida; Joseph R. Emery, Shreveport, Sixth district, Arkansas, Mississippi, Alabama and Louisiana; Lawrence Miller, Dallas, Eighth district, Texas and New Mexico; John H. Miller, Tulsa, Twelfth district, Missouri, Kansas and Oklahoma.

Directors—Harry E. Gilbert, Baltimore; Joseph W. Hanauer, St. Louis; Walter W. Rose, Orlando; Albert S. Adams, Atlanta, to succeed the late Ben Watkins of the same city.

John J. Hurst of Baltimore became a vice-president through his election as chairman of the home builders' and subdividers' division; Vernon Clark of St. Louis, as chairman of the industrial property division, and R. Bates Warren, Washington, D. C.

Among the division chairmen elected was Frank McNeny, Dallas, broker, to which division were added W. B. Leedy, Birmingham; Eugene P. Fretz, Knoxville; William E. Lyons, Kansas City, and John A. Petty, Washington, D. C. R. Vernon Clark of St. Louis was chosen chairman of the industrial property division, with George C. Smith of Baltimore a director; Walter W. Rose of Orlando was made secretary of the home builders' and subdividers' section, of which Mr. Hurst of Baltimore is chairman, and Harry Hadfield of Texas was made a vice-chairman of the national board of state officers division. J. W. Murphy of Dallas was elected vice-chairman of property management division, and R. Bates Warren of Washington, D. C., chairman of the co-operative apartment section of the mortgage and finance division.

The convention was enlivened greatly by music from bands brought from various sections, Florida sending one from Palm Beach, Birmingham contributing its high-school band; Amarillo, Texas, its drum corps, Arkansas being represented by the Smiling Ozarks, a group of girls with ukeleles; Oklahoma City by its Yeomen Kilties, and New Orleans by its police band.

The mid-winter meeting of the National Association of Real Estate Boards, which meets next January, will be held in Miami, Fla., according to a vote of the board of directors yesterday. Miami was a dark horse with Memphis, Houston and Baltimore as the chief contenders.

Todd county, Kentucky, which was to have voted June 8 on a bond issue of \$300,000 for the construction of roads, will vote on the issue July 20, the change of date being due to a legal technicality.

Dairying Industry Progressing in Palm Beach County, Florida.

By GERRY SWINEHART, Director of Publicity, Greater Palm Beach Chamber of Commerce.

Back a few years ago there became popular a song about a chap who told the world in melody that he would "wait until the cows come home." Today Palm Beach county, Florida, may well be classed in somewhat the same category—except that Palm Beach is waiting for the cows to come to the county to make their homes. And with the cows the county also would like a few more industrious dairymen.

According to S. W. Hiatt, county agricultural agent, and his assistant, M. U. Mounts, in charge of dairying activities, Palm Beach county needs several things in the way of dairying industry, and, in saying this, the officials make it emphatic that they are casting no reflections on the dairies and dairymen already here or on their products. But, they add, it is a fact that when a county produces only about half of the milk it consumes there is a crying need for something.

dissipate the impression in the minds of many that dairying on a large and profitable scale is impossible in this section of the state.

Palm Beach county won the grand dairy products prize at the fair, and to this achievement was added the laudatory comment of veteran refrigerator exhibitors who for years have witnessed dairy products displays across the length and breadth of the nation. One of these men, an artist in sculpturing in butter, told officials that the Palm Beach county display was "as good as, or better than, any I ever have seen in the North." The grand prize was won on the quality of the following exhibits: Pasteurized milk, certified milk, chocolate milk, buttermilk, 40 per cent cream, 20 per cent cream, 14 per cent cream, sweet butter, salted butter, pimento cheese, cottage cheese, cream cheese and neufchatel cheese. Other awards won by the county at the big fair included first prize for the best sugar cane, first prize for the best



A TYPICAL PASTURE SCENE AT LOXAHATCHEE DAIRY, WITH GUERNSEYS AND HOLSTEINS.

The pasture is planted to Para grass, a vegetation said to have been imported originally from South America, but which now is quite common in Palm Beach County. It is understood that the grass will not grow above the frost line.

This "something," these officials go on to say, is comprised of more dairies, permanent pastures and good, graded cows. "Improved pastures, improved cattle," that is the watchword and slogan of these county officials. Dairying, then, still is in but little more than its infancy in Palm Beach county. However, it should be remarked here that recently great strides in this industry have begun to become noticeable.

Greater interest in dairying than ever before has been stirred up by the county's prize-winnings at the South Florida fair, at Tampa, in February, and still more recently by the descriptive advertisement which the Southern Dairies printed in the MANUFACTURERS RECORD. Since that ad came back to the county discussion of dairying and dairy possibilities has been on the tongue of almost every man and every woman who really is interested in the future of Palm Beach county. And, it is conceded more and more each day, that future necessarily must and will be agricultural, chiefly.

The success and fame which came to Palm Beach county in its dairy exhibit at the South Florida fair has delighted the whole official family of the county, and Mr. Hiatt and Mr. Mounts as a result are striving with greater zest to

fruits other than citrus, first prize for the best cocoanuts, first prize for the best pineapples, fifth prize for the best vegetables and fifth prize for the best canned or preserved products.

At present, according to records kept by Assistant County Agent Mounts, there are 2000 milking cows in the county. Half of these have been brought in since May, a year ago. Generally speaking, they produce about half the milk which the county consumes in the seasonal part of the year. Chiefly, the same records show, these cattle are Southern cattle of a more or less inferior grade—that is, he says, they are scrub stock culled from herds in Georgia, Alabama and northern Florida.

Among the notable exceptions, however, to cattle of this kind are those owned by Sherwood Stevens, who conducts a dairy near Boynton, Fla., in the southern portion of Palm Beach county. Last fall Mr. Stevens hied himself to Kentucky and Tennessee. He picked out 40 cows he wanted, paid from \$125 to \$150 a head for them and then shipped the whole herd to Boynton by express—express, because of the freight embargo existing at the time, and because Mr.



A NUMBER OF GUERNSEYS PEACEFULLY BROWSING ON PARA GRASS BENEATH THE SENTINEL-LIKE FLORIDA PINES. The Loxahatchee Dairy maintains 160 acres of permanent pastures. Its cattle are not allowed to range.

Stevens was sure in his own mind that the increased productivity of his herd, as a result of the addition of the 40 graded cows, would more than offset the expense. It did. Today his milk production on the whole herd averages two gallons more per head. All of the 40 cows he bought were first-class except two.

From November to May milk wholesales in Palm Beach county at 69 cents a gallon; from May to November it sells wholesale for about 60 cents.

"Suppose," says the assistant county agent, "that Mr. Sherwood gets an average of 90 gallons a day from the 40 cows alone—that is a conservative figure. Well, then, it is easy to see that for six months each year he receives an average gross daily profit of \$62.10, and that for the six other months he gets an average gross profit of \$54 a day."

As a result of the success which Mr. Stevens has made in buying improved cattle, several Palm Beach county dairymen, eager to keep abreast of the best in production, now are



VIEW OF SOME OF THE LOXAHATCHEE DAIRY'S HOLSTEINS AND GUERNSEYS STANDING IN BERMUDA GRASS, ANOTHER OF THE PERMANENT PASTURE GRASSES GROWN IN PALM BEACH COUNTY.

The Loxahatchee Dairy is claimed to be the most up-to-date dairy plant in the whole state, representing an investment of approximately \$300,000. It is located seventeen miles west of Palm Beach and produces certified milk only. The entire production, even to the sanitary bottling, is made in the dairy, but the product is distributed through the West Palm Beach branch of Southern Dairies, which formerly was the Palm Beach Creamery.

contemplating buying trips to the North this summer. In the next 12 months, Mr. Mounts believes, between 1200 and 1500 more fine graded cattle will be brought into the county.

There is a constant demand for milk in the county and the existing 35 dairies cannot begin to supply it, particularly in the winter season, when the great hotels in Palm Beach consume milk in startling quantities. During the winter, records show, the county produces an average of about 2500 gallons a day to meet a demand which exceeds 5000 gallons a day. Because of this heavy natural demand, brought about by the yearly influx of tourists and the constantly increasing population, there continually is a stiff market for dairy products in the county, particularly in Palm Beach and West Palm Beach, the central marketing cities. In West Palm Beach the Southern Dairies maintains its branch, the former Palm Beach Creamery.

Then, too, a heavy contributing factor to the cause of this stiff market is the outstanding truth that this lower east coast of Florida is away off the centers of production. Climate also must be considered, for actual figures show that the equivalent of three and one-half carloads of milk goes into the manufacture of ice cream here each week, almost 12 months in the year.

Quite naturally the county agricultural officials constantly are campaigning for improved pastures and improved herds. They are citing to dairymen already here and to those contemplating locating here the success of Mr. Stevens. They are pointing out that he is receiving two gallons of milk per cow per day over the production of his herd last year, and they are quoting Mr. Stevens to the effect that by the time his 40 new graded cows have become thoroughly acclimated this year's herd will show an even greater increase in productivity.

Taking 2500 gallons of milk as the average daily produc-

tion, and taking 64 cents a gallon as an average year-round wholesale selling price, it is seen that in a year Palm Beach county produces approximately 913,000 gallons of milk, worth a total of approximately \$584,000. And this is approximately half the milk and half the value of the milk the county consumes in a year. The wholesale price paid the producer of milk in Palm Beach county is probably the highest of any market in the country. Of the 35 dairies in the county, the Loxahatchee Dairy, west of Palm Beach, Pennock's Plantation at Jupiter and O. C. Knuth's Dairy at Boynton are among the largest or best known.

At the present time most of the dairying in the county is confined to the Coastal section, but as soon as further developments have been effected in the Everglades many of these herds will be moved into that most fertile of all sections, where milk can probably be produced at less expense than in any other place in the United States. Palm Beach county is in tick-free area, which permits the importation of high-grade cows from Northern sections and eliminates the danger of loss from tick fever in sections not free of the cattle-fever tick.

"Palm Beach county dairymen are only beginning to get keen on permanent pastures," Mr. Mounts says, "and we naturally are encouraging them all that we possibly can. At present dairymen here are beginning to plant lots of Para and Bermuda grass for pastures, and they are growing much Napier and Guatemala grass for roughage. The Napier grass produces a very heavy tonnage and successive cuttings can be made throughout the year. Other splendid soiling crops are Japanese cane, sorghums and millets, which can be fed green or as ensilage. Permanent pastures of Para, Bermuda, Dallas, Carpet and other grasses can be established with little trouble. In many sections where open range is available the native grasses furnish excellent pasture.

"The beauty of dairying in this and other lower east coast



ONE OF THE SANITARY, UP-TO-DATE MILKING BARN WHICH THE LOXAHATCHEE DAIRY MAINTAINS.

All of the dairy buildings are constructed along similar lines,—that is, of concrete, and so that fresh air and sunlight are allowed to enter under the roof. During fly-time the open-work is screened. Loxahatchee Dairy is operated by Alfred Nielsen, Vice-President of Southern Dairies, West Palm Beach, and J. W. Gooding, Manager of the West Palm Beach branch of Southern Dairies. These two progressive dairymen about four years ago established the old Palm Beach Creamery, said to have been one of the first dairies in the state and, at least, the first in Palm Beach County. The land and buildings at Loxahatchee Dairy are owned by the Southern State Land & Timber Company which founded the dairy, and of which George F. Bensen, newly elected president of the Greater Palm Beach Chamber of Commerce, is secretary. The land and buildings are leased by the present operators of the dairy.

counties lies in the fact that grass is green all the year and thus no silage is needed; buildings may be constructed at a small expense, since no heat need be provided, and operations generally may be carried on at a minimum of expense."

Guernseys, Jerseys and Holsteins are the principal breeds of dairy cattle found in Palm Beach county, but there are one or two notable exceptions. One of these arises in a herd of 20 fine Ayrshires owned by Mr. Knuth. Two of the finest herds of Guernsey and Jersey cattle in the South are located in this county.

County officials estimate that a profitable dairy can be



THIS DAINTY FELLOW IS A REGISTERED BULL, BORN AND REARED ON THE LOXAHATCHEE FARM.

He is a five-year-old Guernsey, pure bred, and is representative of what can be produced in Palm Beach County. Sired in Virginia, he is one of three fine bulls the Loxahatchee Dairy has in its herd of more than 100 head of cattle.

established in Palm Beach county for a total outlay of only about \$5000. They figure in this estimate the purchase of 20 graded cows at a cost of \$150 each, an expense of between \$600 and \$800 for buildings and approximately \$1000 for general equipment. Of course, this figure does not include land, but, it was pointed out, many dairymen already successfully operating here have leased 20-acre tracts at no great expense.

"There are successful dairymen here now," Mr. Mounts declares, "who borrowed everything to start and made it all back in a short time. I should say that a dairyman can start with \$5000 here, and start ahead of the game. Opportunities are excellent."

Both Mr. Hiatt and Mr. Mounts believe that dairying is the most promising of all industries for Palm Beach county.

New Farm Land Development in Georgia.

McRae, Ga.—Following a suggestion by Charles A. Stanton, president of the Agricultural Appraisal Co. of Columbus, Ohio, in a recent address before the Board of Trade here, the board has determined to organize the Telfair-Wheeler County Land Co., to operate and maintain ready-to-go farms on a diversified farming schedule. The initial capital of the company will be \$25,000, which may be increased to \$100,000 or more as deemed advisable.

The company will buy, lease, subdivide, improve, fence and operate land suitable for small farm development and will sell these farms as going propositions to settlers whom it deems qualified to handle them. The farms will be fenced and modern conveniences installed for farming and living purposes. W. F. Whatley, Dr. W. H. Born and J. J. Hinson, all of McRae, in addition to a number of associates, are interested in the company.

W. G. Clarkson, architect, of Fort Worth, Texas, is making preliminary sketches for a \$1,250,000 temple to be used by 14 Masonic bodies in Fort Worth.

An Atlanta Exposition of Industrial Interests.

Atlanta, Ga., June 11—[Special.]—More than 150 manufacturers in Atlanta and vicinity are expected to have exhibits at the Atlanta Industrial Exposition, to be held at the auditorium-armory during the first week in August, in connection with "Merchants' Week," conducted by the merchants and manufacturers of the city. For several years past the exposition has been handled by Virgil W. Shepherd, but this year all forces in the city will get behind it, and a committee representing the Atlanta Chamber of Commerce, Merchants and Manufacturers' Association, city of Atlanta and Georgia Manufacturers' Association has been appointed to handle it.

This committee consists of H. Y. McCord, Jr., general chairman; S. S. Mattingly, secretary; Milton W. Bell, J. R. Bachman, B. S. Barker and W. D. Hoffman, ex officio, from the Atlanta Chamber of Commerce; C. W. Butler, Alfred Fox, Walter Candier and C. Arthur Kitchens, from the Merchants and Manufacturers' Association; James D. Robinson, Otto Schwab and W. O. Steele, from the city at large, and T. M. Brumby of Marietta and J. P. McGrath, from the Georgia Manufacturers' Association.

Not only will manufacturers from Atlanta and its suburbs have exhibits, but invitations have been extended to all manufacturers within a radius of 50 miles of the city, and plants in Griffin, Gainesville, Marietta, Newnan and neighboring industrial centers are expected to take space. Special railroad rates will be secured for manufacturers within the 50-mile radius wishing to take space, and other inducements will be offered. A special effort will be made to have "moving" exhibits, with units from various plants in actual operation, so that townspeople and visitors can not only get a comprehensive idea of *what* is made in Atlanta but of *how* it is made.

It may be noted that "Merchants' Week" offers an ideal means of showing the South what Atlanta is manufacturing. During the week hundreds of Atlanta merchants and manufacturers will throw open their stores and plants to buyers from all over the section. Special railroad rates and refunds are offered to buyers who purchase certain amounts during the week. Salesmen are called in from the road to handle the crowds, and thousands of visitors from five Southern states—most of them buyers for smaller communities—through the city. So that an exposition at that particular time will not only tell Atlanta, other sections as well, what the city is manufacturing.

Already a large number of industrial plants have taken space and promised "moving" exhibits, and no difficulty is anticipated in securing between 150 and 175 firms to make displays. There are more than 800 industrial plants within the environs of Atlanta, and many more in the 50-mile radius from which the exposition will draw, and under the leadership of the Chamber of Commerce, much enthusiasm has been aroused.

Virgil W. Shepherd, who conducted the show last year, will have charge of the sale of exhibit space, decorations and general arrangement of exhibits.

San Antonio May Get \$1,000,000 Theater.

San Antonio, Texas.—Details have been arranged by the Interstate Amusement Company, Karl Hoblitzelle, president, Dallas, for the erection of a theater and office building here to cost from \$1,000,000 to \$2,000,000, according to recent announcements. The site of the proposed building fronts 168 feet on East Houston street and extends 160 feet to College street. Plans for the structure are being prepared by John Eberson of Chicago, and it is understood that it may be 17 stories high, although this has not been definitely determined. A theater will be provided to seat 3000, the remainder of the building to be devoted to offices.

Atlanta Plans for Great Display at Southern Exposition.

[Telegram to Manufacturers Record.]

Atlanta, Ga., June 12.

Atlanta will be represented at the Southern Exposition in New York, October 2 to 10, with one of the greatest displays of Atlanta-made products ever assembled, and with a complete miniature exposition of Atlanta's numerous civic advantages, according to a decision of the "Forward Atlanta" committee. William Candler will serve as general chairman of the Atlanta exhibit committee and will have charge of preparing the great display to be placed on exhibition at the New Madison Square Garden, where the Exposition will be held. No expense will be spared to assemble an exhibit of Atlanta products, which would be a credit to any city in the world, it was announced. On the committee with Mr. Candler will be B. S. Barker, executive vice-president of the Chamber of Commerce, and Fred T. Newell, head of the Atlanta Industrial Bureau. The exhibit in New York will be in the personal charge of Mr. Newell and a corps of assistants. Atlanta will have 800 square feet of floor space at the Exposition.

Ivan E. Allen, chairman of the "Forward Atlanta" committee, presiding at a recent session of the committee, outlined a tentative program adopted for the Atlanta exhibit. One feature of the Atlanta display will be an oil painting of the city, 30 feet long and 8 feet high, which will occupy a conspicuous position. This painting will depict a complete skyline of Atlanta, as well as some of the leading features of the downtown section of the city. A model of Stone Mountain, showing the Confederate Memorial, will also be displayed.

Leading industries and institutions of Atlanta will furnish individual plans, which will be used in the general exhibit. Mr. Allen announced that the exposition will be built of permanent material, so that it can be brought to Atlanta and made a part of permanent displays at the Chamber of Commerce.

Mr. Candler and members of his committee will begin work immediately preparing the exhibit, which will set new records for displays of this kind, according to the plans announced.

UTILITIES INFORMATION COMMISSION.

South Carolina and the Southern Exposition.

Columbia, S. C.—June 10—[Special.]—South Carolina is going at the Southern Exposition in a way that makes the Palmetto State look as if it means business. It has decided to make the South Carolina exhibit a state affair, everything being put into a lump, each city co-operating in making the display a unified "spread." Last year each city had its own display and the state also had an exhibit. But it was thought that at the October Exposition everything coming out of South Carolina should be put into one large display.

On each product will be a card, giving a number. There will be a general information booth, and every product numbered will be listed in a book, with the name of the concern furnishing the goods. According to reports reaching Columbia, the manufacturers of the state are taking to the idea.

The General Assembly appropriated \$10,000 toward the exhibition, and the cities in the state are being asked for \$20,000. Of this amount Columbia, Charleston, Spartanburg and Greenville have been asked for \$3000 each. The remaining \$8000 will be allocated among the smaller cities of the state. Spartanburg has already decided to undertake to raise its quota after members of the Committee of Thirteen appointed by the state to raise the money had appeared before the board of directors of the Chamber of Commerce.

Greenville and Charleston have also been visited by members of the committee and have pledged their support.

It took the board of directors of the Columbia Chamber of Commerce just one minute to guarantee \$3000 for the Capital City after Ben M. Sawyer and A. C. Summers, members of the committee, had put the proposition before them.

Plans are being made to have the \$20,000 raised by June 30.

Banker Frame of Waukesha Discusses Federal Reserve System.

The Waukesha National Bank,

Waukesha, Wis., June 3.

Editor Manufacturers Record:

In response to your request for a brief reply to Congressman James G. Strong in reference to amending the Federal Reserve Act through H. R. 7895 to stabilize money, price levels, etc., permit me to say:

I mailed to Congressman Strong my "Sixty Years in Banking" marked, which largely covers briefly my thoughts on the subject. I believe you also have a copy.

From Congressman Strong's letter he appears to be attempting to empower a set of men to do the impossible, to wit: * * * "and shall recommend to the Congress any legislation in its judgment necessary and proper to permit said Federal Reserve Board to bring about such stabilization."

To our mind this simply proves exactly what nature does not do for humanity. Nature, you know, is unstable in its winds and waves, sunshine and rain, heat and cold, products of the farm and soil, all of which are unstable and upsets the honest desires of Congressman Strong. We must never lose sight of this fact, and that erring human judgment cannot be perfected by any set of men. The Federal Reserve Board are human just like the rest of us. If they make a mistake they are subject to criticism, and if it were left for them to attempt to regulate prices they would be a subject of criticism as certain as that it is human to err. None can regulate an oversupply of corn, cotton, potatoes, eggs or any other commodity, and it is futile for the Federal Reserve Board to attempt to regulate these things any more than it is for the "bulls and bears" of Wall Street. The Bible records seven years of plenty and seven years of famine. What human power can reverse nature?

The Federal Reserve banks are useful only to the extent that they shall be our servant and not our master or monopolizer at any time. They should be measures for relief and not for profit. Stabilization is humanly impossible.

To our mind all of the sections of H. R. 7895 should be stricken out except Section 28½, which reads: "It is hereby declared to be the intention of the Congress that the primary function of the Federal Reserve system shall be to stabilize the general price level by stabilizing the purchasing power of the dollar, so far as may be possible, consistent with sound economic principles."

In my judgment, "Thus far shalt thou go, and no farther."

May I add that money is abundant in the United States. Rates of interest are the lowest in the world. No legitimate interest suffers for want of money. If any are short, it is because of a shortage of good credit or good collateral. Practically all other reasons are fallacious or are the frothings of demagogues.

ANDREW JAY FRAME.

Joseph V. Horn of the Horn and Hardart Baking Company, Philadelphia, Pa., has purchased a site at Pineapple avenue and 7th street, Sarasota, Fla., on which it is stated a large store and office building will be erected, the first floor to be used for a high-class restaurant.

[From New York Commercial.]

Carpenters in San Francisco Resort to General Violence.

UNION LEADERS, FRIGHTENED BY THE FIVE YEARS OF INDUSTRIAL PEACE AND PROSPERITY BROUGHT ABOUT BY THE AMERICAN PLAN, ARE ATTEMPTING TO IMPOSE THE CLOSED SHOP ON ENTIRE BUILDING INDUSTRY.

By WARREN RYDER.

The strike of union carpenters against American plan carpenters, which began in San Francisco on April 1 at the order of the International Brotherhood, has an importance out of all proportion to the number of men involved. As a matter of fact, there are probably not above 600 or 700 union men out, and the places of these men have been filled by American plan workers, so that building is going ahead, with all of the large jobs and most of the smaller ones operating American plan. Its importance, however, lies in the fact that apparently the International Carpenters' Union, with headquarters 2000 miles from San Francisco, has thrown its full resources into the fight, with the aim not only of imposing the closed union shop upon the carpenter craft, but of overthrowing the American plan in the entire building industry in order thus to prevent its further spread to other cities.

It is quite apparent that San Francisco is again being made the battleground in an industrial struggle of national consequence between union labor dictatorship and the American plan. The American plan, coming to San Francisco after a quarter-century of closed-shop domination, has brought five years of almost unbroken industrial peace, and a degree of prosperity and municipal development unparalleled in the history of the city. Accounts of its beneficent results in San Francisco have been published in other cities where industrial leaders, with a keen eye on results in San Francisco, have lately been seriously considering organizing for the adoption of this very sensible and workable plan of employment themselves. Indeed, the American plan or its equivalent has already been taken up by several other communities.

Angered by American Plan.

Union labor leaders, angered by such inroads into what they have always considered their territory, frightened at the headway the American plan was making, undoubtedly decided to bring the full power of their forces to bear upon San Francisco and attempt there the complete overthrow of the American plan. Thus, the carpenters' international called its strike, and thus, when it found the legitimate means of conducting a strike ineffective, it resorted to wholesale violence. In the first place, certainly not above a third and probably not more than a quarter of the union carpenters walked out. The remainder were satisfied and stayed on the job, and the places of the strikers were promptly filled by non-union men eager for a chance to work in San Francisco. The strike, therefore, was proving abortive. Then the reign of violence began.

It is openly charged, and the charge has every apparent basis in fact, that the strike leaders have brought in 200 or 300 thugs from outside places (Chicago, it is said, and Tiajuana) and turned them loose on the community to rob, assault, wreck property and generally defy the laws for the protection of life and property. Certainly, whatever their instructions from the strike leaders, that is just what these thugs have done. Up to date—the strike is now in its ninth week—there have been 153 cases of violence, ranging all the way from plain, ordinary beatings of non-union workers to murderous assaults upon foremen, superintendents and con-

tractors, as well as actual kidnappings of non-union men. The favorite practice of the gangsters, who operate in powerful motorcars, is for a group of them to swoop down upon a non-union carpenter on his way to or from work, demand that he quit work or join the union, and, on his refusal to accede to their demands, administer a brutal beating, which, in several cases, has sent men to the hospital for weeks. At other times two or three carloads of gangsters have kidnapped a number of non-union workers, taken them to carpenters' union headquarters and there forced them to sign up with the union and pay over what money they possessed as "dues." Refusal of these defenseless workers to "sign up" has resulted in their being again forced into automobiles, taken to the outskirts of the city and there set on and mercilessly beaten.

Reign of Anarchy.

This reign of anarchy has, however, been productive of some excellent results. It has aroused the public of San Francisco as it never has been aroused before. It has shown the community that it must give into the hands of the agency set up to keep peace and stability in industrial relations sufficient power so that the American plan will be impregnable against assault hereafter, and that the necessity of curbing and controlling the labor unions is a vital one, and one that cannot, if law and order are to be preserved, be avoided. For we have had here the spectacle of a little group of men, with their leaders, putting themselves above the law; we have had an organized attempt to disrupt, if not overthrow Government, and the whole community is rising to crush this insurrection.

That it will be crushed goes without saying. It may take some time to do it, because politicians will dodge and squirm and twist to evade duties when they think that such evasion may bring them votes; but when the united community commands, as it is commanding now, civic officials will enforce law and order and preserve liberty or else pay for it with separation from their jobs. Already there is talk of recall proceedings being instituted against police magistrates, and the municipal board of supervisors, a majority of which is union labor either by affiliation or sympathy, has unanimously adopted a resolution calling upon every civic official to give his full support to putting down violence.

In the earlier stages of the strike this same board of supervisors, by a vote of eleven to three, adopted a resolution which, in effect, censured the police department for stationing officers at premises where strike conditions prevailed, and refused by the same vote to rescind this resolution when a delegation of 2000 business men came and protested against it. But a lot of water has run under the bridge since then, and the majority members of the board, sensing the trend of aroused public opinion, have back-tracked and repudiated their former stand.

Strike Bound to Fail.

Thus the strike is bound to fail. The question is, Shall a handful of union carpenters and their distant leaders control the city of San Francisco and set themselves up above its laws, and to that question the people of San Francisco have shouted an emphatic no. They have suffered from

union labor dictation in the past—25 years of it. They have seen their city prosper and develop with the advent of the American plan, which brought with it five years of almost unbroken industrial peace and just conditions for union and non-union workers alike. Tested in the fires of experience, they have witnessed the American plan emerge as the most satisfactory, sensible and fair basis of employment relations possible to be devised, and they will not now permit its overthrow by a handful of labor leaders and workmen, however much violence these latter may employ. Indeed, the more the violence, the more thorough will be the crushing out of lawlessness, the more impregnable will become the status of the American plan. Law and order, Government itself, as well as peace and prosperity, have been challenged, and this challenge is being met by the full power of a united citizenry, a power which no lawless group, however well organized and financed, can long resist. The assaults of union labor on the American plan, however vicious and brutal their collateral effects, have gained nothing. Indeed, they have operated to strengthen its position immeasurably in the community. Having demonstrated beyond question its beneficent effect, the American plan is in San Francisco to stay.

Increasing Activity in Building and Municipal Improvements at Auburn.

Auburn, Ala., June 12—[Special.]—With the completion of the first unit in its proposed paving program the town of Auburn will have to its credit one of the largest developments of any small town in Alabama. This paving is now nearing completion at a total cost of about \$100,000. In addition, the paving of other streets is being considered, with a probability that this work will be under way this year.

During the last two years Auburn has laid eight miles of concrete sidewalks at a cost of \$100,000. Culverts built in connection with this have cost \$10,000.

Auburn has been building houses at a more rapid rate than probably any other small town in Alabama. An estimate is that 150 or more residences have gone up in four years, representing improvement of about \$750,000 for the town.

Ten new brick and tile business houses have been built in Auburn in less than two years.

During the last five years the Alabama Polytechnic Institute at Auburn has witnessed a period of remarkable growth. Among the larger of the new buildings are the Ramsey Engineering Hall, which cost approximately \$250,000; the Alumni Hall, in which the editors will be housed; the new Agricultural Building, which replaced that one destroyed by fire, and three veterinary buildings. In addition, several smaller buildings have gone up and scores of other improvements have been made.

Another big improvement at Auburn has been the installation of a new and adequate water system, which has a capacity sufficient to take care of the college and the town for many years.

For a long time Auburn was known as the village of the plains. Now it is a thriving little town with a population of 3500, according to Dr. C. S. Yarbrough, mayor.

Bids for Second Unit of West Virginia Capitol.

Charleston, W. Va.—Proposals will be received until July 12 by the Capitol Building Commission, at the office of Governor Howard M. Gore, for the construction of office building No. 2 of the West Virginia State Capitol. The structure will be fireproof, 43 by 73 feet, four stories and basement, with pent-house, the exterior to be of Indiana limestone. Drawings and specifications may be obtained from Cass Gilbert, architect, 244 Madison avenue, New York, or may be seen at the office of the commission in this city.

Conference to Seek New Uses for Cotton.

Auburn, Ala., June 8—[Special.]—With a view to discovering new uses for cotton and then making plans to put these new uses into practice, a conference of farmers, bankers, spinners, newspapers and dealers in and manufacturers of products requiring cotton in the product itself, or in handling it, will be held in Birmingham July 1. It was called by Prof. L. N. Duncan, director of the extension service of the Alabama Polytechnic Institute, Auburn, and E. A. O'Neal, president of the Alabama Farm Bureau Federation, and will be open to all who wish to attend.

During the last few months much has been said and many suggestions made regarding possible new uses for cotton. Farmers are interested in new outlets for their product; and, likewise, bankers, merchants, manufacturers and all others are interested, because they, too, are affected by the demands for cotton, since the demands have much to do with the price.

No program will be arranged for the conference. It will be a round-table affair during which each person who has a suggestion to make will make it. Each subject will be discussed from every angle, after which those present will take such action as they deem wise to take as a body.

Among those to whom special invitations have been extended are Victor H. Hanson, publisher, Birmingham News; Fred Thompson, publisher, Age-Herald, Birmingham; George Gordon Crawford, manager, T. C. I. & R. R. Co., Birmingham; W. C. Lasseter, editor, Progressive Farmer, Birmingham; J. M. Moore, Commissioner of Agriculture, Montgomery; J. B. Adams, manager, Virginia-Carolina Chemical Co., Montgomery; Henry Evans, Montgomery; George Lanier, manager, West Point Mills, Lanett; Oscar Wells, president, First National Bank, Birmingham; Clyde Hendrick, president, Tennessee Valley Banks, Decatur; Will Howard Smith, Prattville; Ben Russell, Alexander City; Joe Bradley, Huntsville; D. B. Bestor, president, First National Bank, Mobile; Theodore Swann, Anniston; Thos. W. Martin, president, Alabama Power Company, Birmingham; C. H. Allen, Southern Cotton Oil Co., Montgomery; S. C. King, president, Alabama Bankers' Association, Ensley; W. F. Black, Chamber of Commerce, Montgomery; M. J. Funchess, director, Alabama Experiment Station, Auburn; T. F. Davis, president, Farm Loan Bank, New Orleans; M. B. Welborn, president, Federal Reserve Bank, Atlanta, Ga.; Leroy Holt, T. C. I. & R. R. Co., Birmingham; M. L. Jackson, T. C. I. & R. R. Co., Birmingham; Jesse B. Herrin, Chamber of Commerce, Montgomery.

In addition to this list, Professor Duncan and Mr. O'Neal have extended an invitation to any person who is interested in the cotton situation in any way to be present and further the work of finding new uses for cotton.

Negro Life Span Lengthened.

Announcement that Baltimore had been awarded second prize and Memphis third prize for efficient work in Negro National Health Week Observance in 1924 is made in the minutes of the "silver jubilee" convention of the National Negro Business League. The first prize was awarded to Cincinnati.

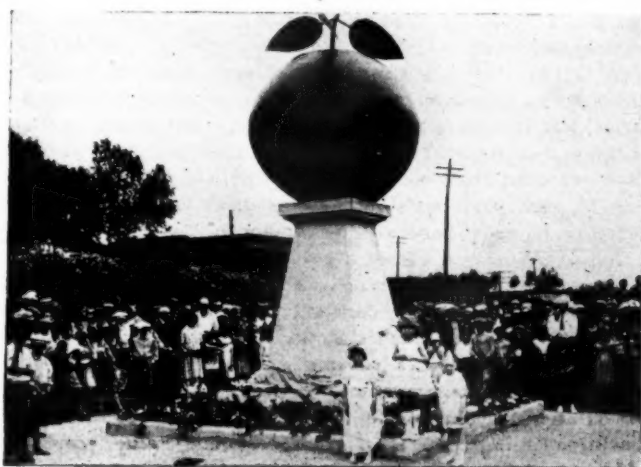
In 1914, said Dr. Monroe N. Work of Tuskegee, an average of 450,000 negroes were "seriously ill all the time," at an annual cost of about \$75,000,000, and that, while 250,000 negroes of the South were dying each year, 100,000 of these deaths were preventable. In 1914, the average life span was about 35 years; in 1922, after less than a decade of Negro National Health Week Observance, it was over 40 years.

The committee on awards was composed of Dr. J. R. Levy, Florence, S. C.; Dr. J. O. Plummer, Raleigh, N. C.; Dr. Carl G. Roberts, Chicago; Dr. U. G. Alexander, Newark, N. J.; Dr. A. B. Jackson, Washington, D. C.; E. T. Aswell, Philadelphia, Pa., and Dr. Work.

Monument to Apple Unveiled at Cornelia, Ga.— Replica Weighs 5200 Pounds.

Cornelia, Ga., June 12—[Special.]—What is believed to be the first monument to the apple ever erected in the United States, and certainly the largest replica of an apple ever made in this country, was unveiled here on June 5 with appropriate ceremonies.

The monument consists of an apple of steel and concrete 22 feet in circumference and painted in natural colors, mounted upon a concrete base 8 feet in height and 6 feet



THE GREAT APPLE MONUMENT.

square at the base. The apple itself weighs 5200 pounds, and will remain in the public square of Cornelia as a reminder that the section owes its prosperity to the "big red apple."

An inscription on the base of the manument, in gold letters, reads as follows:

"Habersham County, Georgia, the Home of the Big Red Apple."

The idea originated with J. Frank Beck, well-known Atlantan and owner of several apple orchards in the section. Other apple growers in the community adopted the idea and raised the funds to have the replica made. The Southern Railway co-operated in transporting the apple free of charge from the artist's studio in Virginia to Cornelia. And today it stands as one of the unique monuments of the country.

Guests at the unveiling were given a basket luncheon by the community, and in the afternoon were taken on an automobile trip to Tower Mountain and other points of interest in Habersham county. Sponsors for the unveiling ceremonies were the city of Cornelia, Consolidated Apple Growers' Exchange, Kiwanis Club and the Habersham Club.

Cotton Receipts and Shipments.

Cotton exports for the week of June 5-11 amounted to 44,373 bales, compared with 118,304 bales the previous week and 37,521 bales for the corresponding week a year ago. Total exports from August 1 to June 11 amounted to 7,588,449 bales, compared with 7,903,552 bales for the same period in 1925, reports the Agricultural Department.

COTTON MOVEMENT FROM AUGUST 1, 1925, TO JUNE 11, 1926,
WITH COMPARISONS.

	1926 Bales	1925 Bales
Port receipts	9,270,395	9,005,531
Port stocks	793,818	419,676
Interior receipts	11,400,933	10,068,441
Interior stocks	1,186,780	285,662
Into sight	15,899,012	14,661,362
Northern spinners' takings	1,828,934	1,861,389
Southern spinners' takings	4,521,785	4,206,352
World's visible supply of American cotton ..	3,205,263	1,965,658

The South's Superpower Electric System and Muscle Shoals Operating Together.

Atlanta, Ga., June 12.—The following statement was issued today by P. S. Arkwright, president of the Georgia Railway and Power Company:

"In Greenville, S. C., they are holding prayer services, praying for rain. In Georgia, too, it has been very dry. The rainfall for this year to date on the water sheds of this company in northeast Georgia is 20 per cent below normal. However, the reservoirs on the Tallulah River are practically full, whereas but for certain recent arrangements they would be practically empty.

"This happy condition of full reservoirs is the result of co-ordinating the power stations in Georgia and Alabama as a natural consequence of the recently acquired control of the stock of the two companies by Southeastern Power and Light Company. Not only has this given assurance of adequate electric-power supply for Georgia, but it is enabling these associated companies to relieve to a large extent the menace of power shortage in South Carolina and North Carolina.

"The Alabama Power Company, under a temporary arrangement running from day to day, is taking whatever water-power is available at Muscle Shoals. This, together with its own water-power developments and its ample steam stations, has enabled it to supply large quantities of power to Georgia Railway and Power Company. On account of this Georgia Railway and Power Company was able to close its reservoirs and conserve the winter and spring rains.

"For the last several weeks, and now, Georgia Railway and Power Company has been supplying a large amount of power—20,000 kilowatts—to Southern Power Company for service in South Carolina and North Carolina. This power has been delivered to Georgia Railway and Power Company by Alabama Power Company and Columbus Power Company. In this way Southern Power Company has been supplied and industries in South Carolina and North Carolina kept operating through the co-ordination of the power supply and the interconnection of the transmission systems in Georgia and Alabama.

"Not the least important element in bringing this condition about has been the power obtained from Muscle Shoals. It is a demonstration of the economy and great usefulness to the territory brought about by the co-ordination of the power resources of the territory and the availability of the power at Muscle Shoals for use through the instrumentality of the interconnected power companies to serve a wide area of the Southern states. It is saving the situation at the present time in Alabama, Georgia, South Carolina and North Carolina.

"The interconnected transmission systems, the co-ordination of the power resources of the territory, the use of Muscle Shoals power in connection with such system, enable the entire developed power resources of river and reservoir of the Alabama coal fields and of the Government development at Muscle Shoals to be used to the greatest advantage of the territory, making useful the floods of run of river plants that would otherwise waste over the dams, the conserving of the rains of the winter for use in the dry period, where reservoirs have been provided, and bringing into general use over the territory the economically located steam-generating stations at the mouths of the coal mines in Alabama.

"In order to reinforce and enlarge the capacity of these systems and to make better use of the waters of the various streams, a new transmission circuit is being erected by the Georgia and Alabama companies from near Roanoke, Ala., to Newnan, Ga., giving an additional and a more direct connection with the developed water-power sites and the steam-generating stations in middle Alabama. This transmission line should be available in the early fall.

"Thus, practically the whole South is already feeling the

benefit of the co-ordination of the power systems and the distribution of power from Muscle Shoals to serve both nearby and distant area and working to the material advantage of the states of North Carolina, South Carolina, Georgia, Alabama and Mississippi."

Automobile Traffic in Florida.

For the five months ending May the record of automobile tourists over the Jacksonville-St. Johns River bridge at Jacksonville, Fla., showed 28,805 automobiles, carrying 113,593 passengers, were headed farther down the state, as compared with 17,198 automobiles, with 62,615 passengers, southbound for the similar period of 1925.

This total number of automobiles carrying out-of-state licenses, of course, does not represent the entire automobile tourist travel into Florida, and some of these cars have, no doubt, made two or more trips from Jacksonville and nearby points south into the state, but they nevertheless indicate the enormous amount of automobile travel into Florida since January 1.

There has been a seasonal decline in such tourist traffic since the first of the year. For the first time tourist automobiles passing south over the Jacksonville-St. Johns River bridge were less in May than for the corresponding month of 1925, but the number of passengers showed an increase of 2284 over May, 1925. The total number of cars southbound over the Jacksonville-St. Johns River bridge in May was 2386, with 9332 passengers, as compared with 2435 cars, carrying 7048 passengers, in May, 1925. Most of the decrease during May was in automobiles carrying Georgia license numbers, which dropped from 623 in May, 1925, to 275 in May, 1926. Alabama, North Carolina, Tennessee and West Virginia were the other Southern states for which a decrease was noted, while for practically all other states there was reported an increase. The tabulation, by states for May, follows:

RECORD OF TOURIST CARS AND PASSENGERS, SOUTHBOUND, OVER JACKSONVILLE-ST. JOHNS RIVER BRIDGE, JACKSONVILLE, FLA., DURING THE MONTH OF MAY, 1926.

From	Cars	Passengers
Alabama	94	363
Arizona	3	9
Arkansas	32	123
California	52	197
Colorado	15	59
Connecticut	58	238
Delaware	17	66
Georgia	275	1042
Illinois	82	338
Indiana	25	97
Iowa	20	76
Kansas	20	81
Kentucky	79	309
Louisiana	51	219
Maine	16	59
Maryland	55	220
Massachusetts	78	298
Michigan	32	123
Minnesota	3	12
Mississippi	77	311
Missouri	56	227
Montana	8	30
Nebraska	31	123
Nevada	9	34
New Hampshire	44	171
New Jersey	103	405
New York	188	709
North Carolina	87	338
Ohio	109	437
Oklahoma	29	117
Oregon	7	31
Pennsylvania	105	408
Rhode Island	15	64
South Carolina	149	585
South Dakota	2	7
Tennessee	86	338
Texas	65	246
Utah	2	7
Vermont	5	19
Virginia	73	277
Washington	1	4
West Virginia	34	142
Wisconsin	13	48
Wyoming	4	18
Canada	11	30
District of Columbia	66	277
Totals	2386	9332

Florida 1926 Building Activity Is Widely Scattered.

Jacksonville, Fla., June 12.—Comparison of building statistics of Florida cities so far this year with those of 1925 discloses that while construction in 1925 was centered largely on the lower East Coast and in Tampa and St. Petersburg, it is general in 1926 over the state from Pensacola to Key West, the Florida State Chamber of Commerce announced recently. The largest construction estimate for 1925 placed Florida's total at \$338,000,000. Of this amount Miami, Coral Gables, Greater Palm Beach, Tampa and St. Petersburg supplied \$165,065,272, or slightly less than 50 per cent.

So far in 1926, the Chamber declares, construction continues to go ahead on a large scale in the designated territories, but it also is on the upgrade in every other section of the state. Several of the smaller cities this year already have exceeded their record for the whole of 1925, with projects in sight to justify predictions that there will be no decrease in their pace the remainder of the year. Places which would have declared a holiday in 1925 had they ended any one month with as much as \$100,000 worth of permits are exceeding that figure regularly this year and the quarter of a million dollar month is becoming so common as to attract little more than passing attention.

The fact that construction is in progress in all sections of the state this year, while it was centered largely in two localities during 1925, is of great economic value, says the State Chamber, since it is concrete evidence that all of Florida is forging ahead.

The 56 cities and towns which so far have reported their May permit records to the Chamber had an aggregate of \$19,606,616. The same points during April reported an aggregate only \$43,126 greater.

Utilities Merger Involves 24 Plants, Valued at \$18,000,000.

St. Louis, Mo.—According to press reports, A. E. Fitkin & Co. of New York city have announced the merger of 24 public utilities in Kansas, Michigan, Missouri, Arkansas and Texas, representing a value of approximately \$18,000,000. These properties, it is stated, have been under control of the Fitkin Company for some time, and are now grouped under the Commonwealth Light and Power Company and the Interstate Electric Corporation. The consolidated company will be known as the Inland Power and Light Corporation, whose stock capitalization will consist of 511,700 shares of 7 per cent cumulative preferred stock and 100,000 shares each of Class A and Class B no-par common stock. It is stated that financing the merger will require an issuance of about \$11,000,000 of securities.

Properties involved in the consolidation serve 213 communities, it is said, with a population of more than 215,000, and have been for several years under the supervision of the General Engineering and Management Corporation of New York, which operates other Fitkin properties. Upon completion of the merger it is understood that other properties purchased or under option will be added to the Inland Company.

Knoxville to Sell \$1,150,000 of Bonds.

Knoxville, Tenn.—It is announced that the Knoxville City Council will receive bids until June 22 for the purchase of \$1,150,000 of bonds for the construction of school buildings. Data and proposal form for the sale have been prepared by John C. Borden, director of finance, the proposed issue to be dated June 1, 1926, and to bear an interest rate of 4½ per cent.

The Sheet-Steel Trade Discussed.

Market stabilization and trade extension work were two of the leading subjects discussed at a recent meeting of the executives of the independent sheet-steel companies at White Sulphur Springs, W. Va., representatives of all these concerns east of the Mississippi River being present, with only one or two exceptions. The trade-extension movement, it seemed agreed, had made little impression so far on the sheet-metal contractors or jobbers, and market stabilization, it was reported, still remained unachieved.

In the face of a record volume of business, as expressed by the shipments, said one speaker, the gain in income for the industry in 1925 over 1924 had been \$20,000,000, while if the 1924 prices had been maintained through last year the gain would have been more than \$50,000,000. The difference was attributed to "the scramble for business backlogs," and the expression, "business backlogs," seemed to be well understood.

In the course of his address on "Awakening Sheet-Steel Consciousness in Tomorrow's Men," C. L. Bailey, field representative of the committee, advocated the education of the sheet-metal contractors in sound methods of merchandising, to enable them to obtain a fair margin of profit, and the recruiting and training of young men, now disposed toward "white collar" jobs, to swell the thinning ranks of sheet-metal workers.

The value of advertising was emphasized by J. J. Rockwell, and L. F. Miller of the National Enameling and Stamping Company, said that, while competition among manufacturers of a product can reduce profits and cause failures, the business record today shows the failure in some instances of entire industries through a larger kind of competition. Cooperation among the manufacturers is needed, he said, if present conditions are to be met successfully. The Master Brand galvanized sheet was discussed by Walter C. Carroll, vice-president of the Inland Steel Company.

Calling attention to "the low rate of earnings of most steel companies during 1925, notwithstanding a phenomenally high tonnage rate of production," Charles O. Hadly of Philadelphia repeated the trade query, "When will the steel industry cure itself of selling its products at prices which leave it less than a fair profit?" and discussed that question in detail.

Among the other interesting papers was that by President Horner, while Charles M. Schwab, chairman of the Bethlehem Steel Company, while not on the program, gave two informal talks.

Trying to Encourage British Cotton Growing by Paying More Than Market Price.

Manchester, England, June 1—[Special.]—"The heavy fall in the value of cotton as a result of the huge American crop will be a severe test on the industry in some parts, but there is every reason to believe that even at the lower levels of prices which have been obtained during the latter half of the year it is possible to produce within the Empire, and as cheaply as it can be produced in America, all the cotton necessary," states the annual report of the British Cotton-Growing Association, which will be presented at the annual meeting in Manchester on Friday, June 11. Apart from India, the future cotton-growing areas are stated to be Uganda, the Sudan and Nigeria, and steady progress may be looked for with every confidence in other colonies and protectorates.

The income and expenditure account shows a surplus on the years working of £81,598, and the excess of income over expenditure is increased to £347,676. In order that the native growers may not be unduly discouraged by the fall in values, the policies of the association will be to pay the highest pos-

sible prices for seed cotton, and in some cases, the report states, it will be advisable to buy at higher prices than the relative values ruling in Liverpool. By this means the association will be doing everything possible to prevent a setback in the industry.

The number of bales dealt with by the association during the past year was 84,320, as against 59,583 a year ago, and the estimated amount of cotton grown in new fields in the British Empire is, 366,700 bales, as against 261,900 bales a year ago and 79,600 bales in 1919.

National Fertilizer Association Meets.

White Sulphur Springs, W. Va., June 12.—The intimate relation between the fertilizer industry and agriculture was stressed at the second annual convention of the National Fertilizer Association by President Spencer L. Carter of Richmond in an interesting session which opened here on June 8 and continued for three days. Also, Mr. Carter said that, while the South last year produced the second largest cotton crop in history, and also large crops of tobacco and other staples, the low prices which the farmers had received has caused the fertilizer business for 1925-26 to be disappointing. In part, Mr. Carter said:

"It should be borne in mind that, while the general commodity index stands at about 155, the fertilizer materials index shows only about 113 as compared with pre-war figures, and that the fertilizer materials index shows lower than any other commodity index with the exception of the non-ferrous materials. Notwithstanding the great increase in labor and other costs, and a freight rate advance of approximately 90 per cent, the increase in cost of a ton of average complete-analysis fertilizer to the farmer at the manufacturing plant, as compared with pre-war days, will not exceed \$2.60 to \$2.70 per ton, or an increase of not more than 13 per cent over 1914 figures. Farm products, as low as they were, had a purchasing power of 22 points more than fertilizers during 1925. Fertilizers were and still are the cheapest major elements of cost in farming."

Touching upon Muscle Shoals, he defined the association's attitude toward it:

"We believe Muscle Shoals is primarily a power proposition. It should be dealt with as such. The nitrate plants should be kept in a standby condition as a part of our national defense. Some worth-while portion of the power generated should be devoted to the use of experiments in the production of various chemical products important in peace and war. Should this lead to the manufacture of fertilizer, the latter should be made and marketed on the same basis as would be the case in any business conducted by private enterprise."

Sidney B. Haskell, director of the Massachusetts Agricultural Experiment Station at Amherst, announced that steps toward conservation of soil fertility will be taken in a world-wide way when the first International Congress of Soil Science is held in this country the summer of 1927. The congress is the outgrowth of the International Association of Soil Science, which held its last meeting at Rome, Italy, in 1924. The plans of the congress involve bringing a large group of European soil scientists to the United States on a study trip.

If farmers of the South used as much fertilizer on cotton as is recommended for its profitable production by the agricultural colleges, experiment stations and extension leaders, practically three times more than is now being used would be required, said J. C. Pridmore of Atlanta, director of the southern division of the soil-improvement committee. The United States Department of Agriculture figures show that approximately 2,250,000 tons of fertilizer were used in 1925 in North Carolina, South Carolina, Georgia, Alabama, Mississippi, Tennessee, Arkansas, Louisiana, eastern and northeastern Texas and the eastern third of Oklahoma, he added.

Three estimates, for cotton only, show that during 1925 North Carolina used 475,000 tons of fertilizer, with 750,000 recommended; South Carolina used 450,000 tons, with

950,000 recommended; Georgia used 450,000 tons, with 1,125,000 recommended; Alabama used about 360,000 tons, with 840,000 recommended; Mississippi used 175,000 tons, with 750,000 recommended; Tennessee used 60,000 tons, with 250,000 recommended; Arkansas used 115,000 tons, with 700,000 tons recommended; Texas used 100,000 tons, with 500,000 recommended (only 3,500,000 acres in eastern and northeastern Texas are considered); Louisiana used 60,000 tons, with 300,000 recommended; Oklahoma used 35,000 tons, with 200,000 recommended (only eastern one-third considered).

The total 1925 tonnage used on cotton was 2,296,366 and the amount recommended was 6,496,750 tons.

Contracts for \$400,000 Cotton-Oil Mill.

Anderson, Clayton & Co. of Houston, Texas, wire the MANUFACTURERS RECORD that the Abilene Cotton Oil Company, Abilene, Texas, which they control, has awarded the following contracts for the erection and equipment of a cottonseed-oil mill at Abilene: Steel seed house, 90 by 320 feet, and a steel hull house, 60 by 50 feet, to the Muskogee Iron Works of Muskogee, Okla.; reinforced concrete and brick mill building, 40 by 370 feet, R. J. Cummins, Houston, engineer, and R. J. Horn & Sons, Abilene, contractors; pressroom equipment, French Oil Mill Machinery Company, Piqua, Ohio; seed-cleaning and meal-grinding machinery, Bauer Bros., Springfield, Ohio; elevating and conveying machinery, H. W. Caldwell & Son Co., Chicago, and linting, hulling and separating machinery to the Carver Cotton Gin Company, East Bridgewater, Mass. All machinery will be electrically driven by current from the West Texas Utilities Corporation, Abilene.

Press reports from Abilene state that the plant, presently to be erected, will cost approximately \$350,000, and that additional buildings to be erected later, including a seed house and a by-product plant, will bring the total around \$400,000.

Assistant Architects Wanted.

Washington, June 14.—The United States Civil Service Commission reports that there is urgent need for assistant architects in the Supervising Architect's Office of the Treasury Department, where a large number of such employees will be engaged in connection with the construction of public office buildings in Washington and elsewhere. The entrance salary for assistant architect is \$2400 a year. Promotion may be made to higher grades in accordance with the civil service rules. Applications will be rated as received until August 30, 1926.

Full information and application blanks may be obtained from the United States Civil Service Commission, Washington, D. C., or from the secretary of the United States Civil Service Board at the postoffice or custom-house in any city.

Contract for \$2,000,000 Hotel.

Augusta, Ga.—General contract has been awarded to the Foundation Company of New York and Atlanta by Blanchard & Calhoun of this city, associated with the Adair Realty and Trust Company, Atlanta, for the erection of the proposed \$2,000,000 Forrest Hills-Ricker Hotel here. The new structure will contain 350 rooms, of which more than 300 will be guest rooms, all with private bath. The hotel will be operated by the Ricker Hotel Co. of Poland Springs, Maine. Building contract calls for completion by the first of next year, it is stated. Pringle & Smith of Atlanta and Willis Irvin of Augusta are the architects. An 18-hole golf course will be constructed under the supervision of Donald Ross of Pinehurst, N. C.

Annual Meeting of the Cotton Manufacturers of Georgia.

Atlanta, Ga., June 12.—[Special.]—A round-table discussion of problems confronting the textile industry, a business session, golf tournament and banquet will be features of the twenty-sixth annual meeting of the Cotton Manufacturers' Association of Georgia in Atlanta on June 21 and 22, according to a tentative program recently arranged.

The proposed round-table discussion will be held Monday evening, June 21, in the assembly room of the Atlanta-Biltmore Hotel, President George S. Harris to call the meeting to order at 8 o'clock.

One subject for discussion will be "The Operation of the Georgia Child Labor Law of 1925," on which Fort E. Land, superintendent of public schools in Georgia; Hal M. Stanley, Georgia Commissioner of Commerce and Labor, and Paul McKenney, vice-president of the Swift Manufacturing Co., Columbus, Ga., will speak. "Safety in Our Mills" will be discussed by Sharpe Jones, secretary of the Georgia Industrial Commission; H. P. Meikleham, agent for the Massachusetts Mills in Georgia, Lindale, Ga., and Miss Mary Dickerson, secretary of the Anti-Tuberculosis Association in Georgia.

"The Present Condition of Compensation Insurance in Georgia" will be another subject for discussion, which will be led by William M. McLaurine, secretary of the Cotton Manufacturers' Association of Georgia, Atlanta, while "Recommendations for Amendments" will be a subject to be discussed by Hon. Hatton Lovejoy of LaGrange, Ga.

A business session to be held Tuesday morning, June 22, at the Druid Hills Country Club will be called to order by President Harris and the following program carried out:

Invocation, by Bishop Warren A. Candler; address of welcome, by Lee M. Jordan, president of Gate City Cotton Mills, Atlanta, Ga.; response, by M. M. Bryan, secretary and treasurer of the Jefferson Mills, Jefferson, Ga., and announcement of committees—nominations committee, ex-presidents of the association, and resolutions committee, Norman E. Elsas, chairman; John H. Cheatham, Landon Thomas, Charles Adamson, W. H. Banks, Clifford Swift, L. L. Jones, H. F. Jones and John B. Taylor; annual address of the president.

Address, "The Necessity of Improving the Staple and Grade of Cotton in Georgia," Dr. Andrew M. Soule, president of the Georgia State College of Agriculture, Athens; address, "The Work of the National Committee in Trying to Solve the Textile Problems," W. J. Vereen, chairman of the National Committee of the American Cotton Manufacturers' Association, Moultrie; address, "What It Takes to Put the Plan Over," H. R. Fitzgerald, president of the Riverside and Dan River Mills, Danville, Va.; report of the secretary, Wm. M. McLaurine; report of the treasurer, T. J. Callaway, and the report of the traffic manager, C. W. Cheers.

The past year has been one of steady growth and development on the part of the Cotton Manufacturers' Association of Georgia, it is said, due to the work of its officers and the co-operation of its board of directors and members.

Officers of the association are: George S. Harris, Atlanta, president; S. Y. Austin, LaGrange, vice-president; T. J. Callaway, Milledgeville, treasurer; Wm. M. McLaurine, Atlanta, secretary, and C. W. Cheers, Atlanta, traffic manager. W. G. Broadfoot, Atlanta, is chairman of the entertainment committee for the meeting.

Asks Bids on \$1,000,000 of Bonds.

Fort Lauderdale, Fla.—Bids will be received until June 29 by the City Commission of Fort Lauderdale for the purchase of \$1,000,000 of improvement bonds, a part of a \$3,340,000 issue authorized at an election last March. Glenn E. Turner is city auditor and clerk.

Gigantic Reclamation Project at New Orleans by Levee Board to Cost \$27,000,000.

By THOMAS EWING DABNEY.

Real estate development in New Orleans, especially waterfront development, is reaching such a pitch that not only are investors plunging heavily in real estate who formerly would not have touched it with a 10-foot pole, but the Levee Board, a state body originally created to protect the city from floods, is seeking a Constitutional amendment that would give it the power to go into real estate on a tremendous scale, with authority to issue bonds up to \$15,000,000, impose a two-mill tax and the right to expropriate and appropriate most of the frontage of Lake Pontchartrain, a body of water 20 by 30 miles in diameter.

Its authority would extend entirely around the lake to the east; to a point facing New Orleans at the most distant point from the city it is possible to get on Lake Pontchartrain.

The only possible drawback to an enterprise that might be heralded far and wide as out-Floridaing Florida in its farthest-reaching vision is the fact that this development blankets other lakeshore plans about to be undertaken by private capital, invested in real estate along Pontchartrain to the extent of many millions of dollars.

Already launched upon a \$27,000,000 real estate development proposition, the Levee Board is seeking authority to embark in an undertaking of an immensity that would reduce this enterprise to a mere warm-up before the game.

This \$27,000,000 job is the building of a seawall 400 feet out from the shore line, between West End and the Industrial Canal, a distance of about five miles, all within the parish of Orleans, and filling in the intervening space with sand and mud dredged from the lake bottom to a height above extreme storm tide, and the development of this reclaimed area to public parks and bathing beaches and residential sites. The plans call for the inclusion of all city conveniences in this subdivision—drainage, sewerage, lights, streets, etc.

The original plan was that all frontage should be dedicated to the public in the form of parks and playgrounds, but the law under which the work was begun is changed in the new amendment requested to require that only 15 per cent be so employed and the other 85 per cent put on the market.

The cost of building the seawall, filling in the area to be reclaimed, landscaping and development of streets and facilities is estimated by the Levee Board at \$15,000,000. Overhead, interest and other charges will bring the total up to \$27,000,000, the figures show.

About 2000 acres would be created. After deducting the land required for streets and public purposes, there would be about 900 acres left for sale. The average cost of creating the land that could be sold, therefore, would be something like \$30,000 an acre. "This means, of course, that some of the lands will probably sell for as low as 50 to 60 cents per square foot, while others will undoubtedly go as high as \$2 to \$3 a square foot," says a statement by the Levee Board.

On lots of 150 feet depth these sites, then, would sell for \$75 to \$450 per front foot, depending on whether they were far back or close to the water. If the Levee Board is able to create such values it will show itself a dizzy performer in real estate. Residential sites adjoining this property, with most of the improvements indicated in the Levee Board's program guaranteed by the developers, are today selling for \$13 to \$21 a front foot, depending on the distance from the water. This is on the wholesale pre-development basis. But between \$13 and \$75, to compare the cheapest lots in the two enterprises, there is quite a difference, not wholly accounted

for by the difference between wholesale and retail pricing. As regards the lands in the front areas, while the time may come when lake frontage in the New Orleans territory for strictly residential purposes may sell for \$450 a front foot, there is no realtor here today who would risk his reputation by predicting when that time will come. There is no beach frontage on the Mississippi Gulf coast, which has provided the real estate impetus for this entire section, of the character indicated that is selling on such a basis. In fact, one of the newest and most important subdivisions on the coast is advertising beach frontage for \$150 a foot.

The new Constitutional amendment, consideration of which is now before the Louisiana Legislature, would extend the rights of the Levee Board from a stated distance out in the lake to any distance from the shore line it desires, and give to it the same powers over the adjoining parishes on the lake that it now exercises, or would exercise, over the parish for which it was created. The language of the proposed legislation is specific:

"Said board shall have full and exclusive right, jurisdiction, power and authority to locate, relocate, construct, maintain, extend and improve levees, embankments, seawalls, jetties, breakwaters, water basins and other works, including dredging operations along, over and in the shores, bottom and bed of Lake Pontchartrain in the parish of Orleans and adjoining parishes at such distances from the present shore line as the said board may, in its discretion, determine, and along and on the shores adjacent to the said lake and along the canals connected therewith, and in such other places in the parish of Orleans and the adjoining parishes as said board may determine. * * *

"Said board may acquire by donation, purchase, exchange, expropriation or appropriation, and include in said development and improvements, any adjoining private property in the parish of Orleans and adjoining parishes which, in its opinion, may be necessary, proper or convenient for the carrying out of said development."

For 10 miles to the west Jefferson parish adjoins Orleans parish. For many miles to the east, and curving around Lake Pontchartrain to the north, until the beach faces New Orleans from across a 20-mile stretch of water, St. Tammany parish adjoins Orleans parish. The law would put the beach front of both of these sections entirely under the jurisdiction of the Levee Board of Orleans parish, giving it authority even over their drainage canals, such as are being created in Jefferson, and the power to build a new beach in front of the present frontage and water-side homes, making them backyard property.

As part of Jefferson parish on the east bank of the Mississippi has already been added to the corporate limits of New Orleans, it is not impossible that the entire lakefront of Jefferson at some future time, as the section filled up, might be similarly annexed. Then St. Charles parish, adjoining Jefferson, would adjoin Orleans parish, and the authority of the Levee Board would be further extended. Those who are prophetically inclined can find logical premises for the conclusion that some day or other the Levee Board hopes to have control over the entire lake. This would stretch its real estate operations out over a shore line of 75 miles or so.

That this very capable public body is planning for some such tremendous development, and has been for at least six months, is indicated in a booklet issued by the Levee Board under date of January 12, 1926, in which is this statement in connection with a discussion of the \$27,000,000 reclamation work now under way:

"The attempt is being made to lay out a plan which will

finally be part of a still larger plan, for it is the opinion of our board that this particular project is only the beginning, and that within the limits of the city and adjacent territory we are destined to see in a comparatively brief space of time a development which will cover the entire Southern shores of Lake Pontchartrain, and will even extend far enough to the east to join hands, as it were, with the development taking place on the Gulf coast."

The Levee Board was organized in 1890 for the purpose of building and maintaining river levees and inner levees to protect the city from overflow. It has today under its jurisdiction 105 miles of levees. In 1922 the legislature gave it authority to embark on the present \$27,000,000 real estate development. Now it is seeking authority that would enable it to undertake many times this total in the reclamation of lands and the creation and sale of subdivisions.

The revenues of the board are derived from the proceeds of a tax of 3 mills on the assessed valuation of property in the parish of Orleans. It has the authority to increase this tax by 2 mills.

The assessment for 1925 was \$560,845,329, and the yield to the Levee Board was \$1,682,535. Of this it paid \$925,000 to the Dock Board, under an agreement reached in financing the Industrial Canal by which it assumed that the maintenance of levees along the canal was included in the port-protection work for which it was created. That left \$757,500 for operating expenses.

The proposed amendment to the Constitution would give it authority to issue bonds up to \$15,000,000.

In addition there remains the possibility of increasing the tax by 2 mills in the event the Levee Board ran into a deficit; for while the present \$27,000,000 real estate reclamation work was authorized and begun under assurances that the sale of the property would carry the cost, and while the present enlargement of program is being urged upon the same reasoning, real estate is a business subject to losses as well as gains, and the fact that a public board and not a private developer is behind an enterprise does not alter economic laws. The 2-mill tax could be invoked on the same grounds of port protection on which \$925,000 is now paid yearly to the Dock Board.

Richmond Sewer Work to Cost \$265,000.

Contracts have been awarded for \$265,000 worth of sewer work in Richmond, Va., according to a letter to the MANUFACTURERS RECORD from R. B. Gibson, office engineer of the bureau of sewers, Department of Public Works, R. Keith Compton, director, who states that contracts have been awarded as follows: Storm sewer west of Belt Line, to be of precast reinforced concrete pipe and reinforced concrete poured in place, W. J. McLane, at \$175,858; combined sewer south of Cary street, of reinforced concrete and terra cotta pipe, Hughes & Keegan, \$32,673; Decatur street combined sewer, of reinforced concrete and terra cotta pipe, H. D. Driscoll, \$15,877; Hamilton street sewer, of reinforced concrete and terra cotta pipe, J. C. Cheatwood, \$10,263; River-view combined sewer, two-piece segment block and terra cotta pipe, A. J. Rolfe, \$16,400, and for the Tobacco street combined sewer, two-piece segment block and terra cotta pipe, to the same contractor, at \$14,551.

Virginia Farmers Meet in July.

Announcement is made that the Virginia State Farmers' Institute will hold its twenty-third annual session at Blacksburg, July 27 to 29, the date this year being advanced in order to dovetail with the activities of the State Agricultural College. "Farmers may rest assured that the program will be up to the usual high standard and well worth the time spent on the trip," says Secretary B. Morgan Shepherd, "and the cost will be nominal."

\$500,000 to Advertise Texas.

Definite plans for broadcasting through the United States and all the world the resources and advantages of Texas and its attractions for agriculture, other industry, commerce and finance were adopted by the executive committee of the "Advertise Texas" committee, Tenth District Associated Advertising Clubs of the World, at a recent meeting in San Antonio. Five hundred thousand dollars will be used in a five-year campaign, and part of this sum already has been subscribed.

Another meeting of the organization is scheduled for June 29, at Waco, to adopt appropriate declarations, to consider plans for raising the necessary money and to effect a permanent organization. J. W. Carpenter, vice-president and general manager of the Texas Power and Light Company, Dallas, is chairman of the general advisory committee, and W. V. Crawford of Waco is managing director of the executive committee. The committees in full are:

Executive—W. V. Crawford, Waco, chairman; Eugene H. Blount, Nacogdoches; Porter Whaley, Stamford; Roy Miller, Corpus Christi; Fred L. Johnston, Dallas; J. G. Holtzclaw, Beaumont; Ralph Morrison, San Antonio; W. N. Blanton, Longview; J. A. Kemp, Wichita Falls; John H. Shary, Mission; J. W. Carpenter, Dallas; Beeman Fisher, Dallas, secretary.

General Advisory—Members of the executive committee and John W. Carpenter, Dallas; J. A. Kemp, chairman board of directors, City National Bank, Wichita Falls; W. V. Crawford of Sanger Brothers, Waco; Gus F. Taylor, president Citizens National Bank, Tyler; Ben E. Keith of Harkrider-Keith-Cooke Company, Fort Worth; Col. Ernest Thompson, Amarillo; George W. Fry, vice-president and general manager West Texas Utilities Company, Abilene; H. P. Hadfield, president Texas Association of Real Estate Boards, El Paso; Hon. Lutch Starke, Orange; William T. Burnett, Brownsville; Eugene H. Blount, Nacogdoches; H. B. Seay, vice-president American Rio Grande Land and Irrigation Company, Mercedes; Porter Whaley, manager West Texas Chamber of Commerce, Stamford; James P. Simpson, president James P. Simpson Company, Dallas; Hon. Will C. Hogg of Hogg Brothers, Houston; E. L. Ashcroft, president First National Bank, Sulphur Springs; J. C. Kennedy, president Texas Central Power Company, San Antonio; Hon. Harry Rogers, San Antonio; Dale Rogers, Houston; W. A. Garbrant, Beaumont.

In discussing the work of the organization, Mr. Carpenter said:

"As a native of Texas and having lived here all my life, I know from experience that the great resources of Texas are not broadly known and appreciated, and we propose in this campaign to widely advertise the true facts concerning the industrial and agricultural resources of the whole state."

Small Farms in Demand in West Florida.

Small farms are being sold in west Florida to Northern and Middle Western farmers as rapidly as they can be prepared for cultivation, according to reports to the Florida State Chamber of Commerce.

The Ringling & White concern, holder of more than 50,000 acres east of Milton, which it is developing for agricultural use, it is said, has a standing demand for ground greater than it can supply since it has adopted the rule not to sell a farm tract until it has been cleared, fenced and made ready for the plow.

Pittsburg county, Oklahoma, Melvin A. Wilkins, county clerk, McAlester, has voted a bond issue of \$200,000 for the erection of a courthouse and will sell the issue to the county treasurer.

\$7,000,000 for Tennessee Electric Power Improvements.

BIG PROGRAM FOLLOWS EXPENDITURE OF \$6,000,000 IN 1925—LIGHT, POWER AND STREET RAILWAY DEPARTMENTS INCLUDED—DEVELOPMENT PLANNED ON TENNESSEE RIVER.

The Tennessee Electric Power Company, Chattanooga, last year expended \$6,000,000 for additions and improvements to the company's properties, according to a summary furnished the MANUFACTURERS RECORD. This year will be another active construction period for the company, its budget calling for the expenditure of \$7,000,000.

Major projects included in last year's program are as follows: Completion of the raising of the dam at Rock Island and the installation of an 18,000-kilowatt turbine generator. The raising of the dam increased the water-storage area from 900 acres to 2250 acres, and increased the equivalent kilowatt-hour storage capacity to 6,000,000 kilowatt-hours as compared with the previous capacity of 648,000 kilowatt-hours.

The installation of a fourth boiler in the Hales Bar steam-generating plant provided additional steam capacity for utilizing the full rating of the two steam turbines, aggregating 53,620 horsepower. Orders were also placed for a fifth boiler for this plant.

An order was placed for the installation of a 20,000-kilowatt steam turbine generator in the Nashville steam plant, to be completed this year.

Extensions and improvements to the company's transmission system included the construction of a 120,000-volt line between Cleveland and Chattanooga, a distance of 24 miles; the construction of 38 miles of 44,000-volt line between Hales Bar and Richard City and between Lebanon and Carthage; and the construction of a five-mile 66,000-volt line from Buffalo to Petros to serve the coal mine district northwest of Knoxville.

A 50,000-k.v.a. transformer was installed in the Hales Bar sub-station.

The company purchased the property and business of other companies last year serving 22 communities, which have been added to the company's system. Distribution systems were constructed in eight other communities which heretofore had no service. Ice-plant properties were furnished at Carthage, Athens, Lenoir City and Coal Creek.

New pole and wire lines, transformers, meters, etc., were installed to serve new business. Track improvements were made in Chattanooga and Nashville. Five motor buses were purchased for operation in Chattanooga and vicinity.

This year, in addition to the installation of new equipment at the Hales Bar and Nashville steam plants already referred to, large sums will be expended for meters, poles, transformers and the like to care for the growing business in the company's territory. Besides adding to its light and power facilities, extensive improvements are planned in the street-railway departments in Nashville and Chattanooga, including the purchase of new double-truck light-weight trolley cars.

The company is one-half owner of the East Tennessee Development Company, which some time ago made application for permits looking to the development of hydro-electric plants at 11 sites on the upper Tennessee River and its tributaries, where it is proposed to develop 400,000 horsepower. These developments will improve navigation and facilitate the control of flood waters. The granting of these permits will allow the making of the necessary surveys and the preparation of engineering plans for carrying out this important power and navigation program as business conditions demand.

The company is successfully pushing a program to secure

new business. In 1925 a total of 25,000 horsepower in additional business was secured, 20 industries replacing privately owned steam-driven plants with the company's service. In addition to local development work, the company is carrying on activities in other parts of the country to bring new industries to the state.

In developing water power the company has built adequate steam-generating plants as a protection against possible water shortage. Approximately 47 per cent of the company's 269,000 horsepower of interconnected generating capacity is in steam-driven units; during the unusual dry spell in the summer of 1925 the company was able, therefore, to give continuous and full service to its customers without interruption, and in addition was able to sell energy to other systems of the South.

The business of the company in 1925 exceeded the high mark reached in 1924. Gross earnings totaled \$11,482,263.05, an increase of 19.97 per cent over the preceding year.

Two Residential Developments at Houston.

Discussing the proposed development of two residential subdivisions at Houston, Texas, the Houston Lumber and Building Company, George H. Collins, president and manager, advises the MANUFACTURERS RECORD that its Meadow Lawn addition consists of 20 acres. The property has been plotted and contains 120 lots, with shell streets, sidewalks, sewers, lights, gas and telephone services. It is planned to build 120 five and six room bungalows in this addition during the year, 10 of which are already under construction, the remainder to be erected at the rate of 10 to 20 a month. The total cost of improvements will reach \$500,000.

In addition to the Meadow Lawn project the company has recently purchased 40 lots in the William Schmoeller addition near the ship channel, on which it plans to build 40 houses at a total cost of \$160,000. Ten are under construction, and it is planned to erect the remainder at the rate of eight per month. The residences are being built by day labor, under the supervision of M. W. Gilliam, architect of the company, which will also supply building material from its own yards. Financing and insurance details are being handled by Ben M. and Robert J. Levy of Houston.

Bids Invited on \$750,000 Hospital.

Daytona Beach, Fla.—Sealed proposals will be received until July 12 by the Board of Commissioners of Halifax Hospital District, F. J. Niver, chairman, at the office of the Chamber of Commerce in this city, for the erection of the proposed hospital here, to cost approximately \$750,000, bonds for this amount having recently been sold. The main building will be four stories, 270 by 41 feet, including four wings, fireproof, of reinforced concrete frame and slab construction, with hollow tile walls stuccoed, concrete foundation on rock, gypsum block partitions and tile roof. A total of 125 beds will be provided.

Plans and specifications for the building may be seen at the office of the Chamber of Commerce here and at Jacksonville and at the Builders' Exchange, Atlanta. Wilson, Berryman & Kennedy, Columbia, S. C., are the architects, and Stevens & Lee of Boston, Mass., consulting architects.

THE IRON AND STEEL SITUATION

Favorable Situation in Steel Continues.

Pittsburgh, June 14—[Special.]—Last March production of steel made a new high record for all time, and since then, with the rate declining only very slightly, records are being made for heavy production over longer and longer periods. Post-war records for all lengths of time have been broken, this being the best sustained movement steel has had since the war. During the war heavy production was sustained so long that the long period record has not been broken, but probably that is only a matter of time.

Steel-ingot production in May was 3,945,336 gross tons, there being only a slight decrease from April, while there was only a 9 per cent decrease from the record rate of March. While 1925 made a new calendar-year record in production, this year is running more and more ahead, the first five months showing ingot production of 19,178,620 tons for 1925 and 20,509,884 tons for 1926, or 7 per cent increase.

These heavy tonnages of steel make a very satisfactory showing as to general industrial and building activity, while, on the other hand, they are not entirely comforting to the steel producers, who feel they are not getting profits out of the large tonnage at all in keeping with past experiences. To illustrate, the last 18-month period of very heavy production was that ending in March, 1924. Now, after 18 months of heavier production, by $4\frac{1}{2}$ per cent, steel prices average \$7 to \$8 a ton lower than on April 1, 1924, and while sellers are trying to get the best prices possible there is not much hope of their doing more than holding present prices. In the case of sheets there have been declines, or softening, up to date, and prices are now substantially as low as at any time in more than four years.

The Steel Corporation's unfilled tonnage statement for May is promising, indicating that an upturn has occurred in the volume of steel buying, and showing conclusively that there is nothing like a progressive decrease. The May loss in unfilled obligations was 218,726 tons, against an April loss of 511,959 tons, but April was a sort of unlucky month for the Steel Corporation, as the independents did much better in that month, while the May showing was helped by some special bookings.

The Steel Corporation's shipments in May were about 90 per cent of capacity, while the unfilled tonnage decrease represented 16 per cent, indicating bookings at about 74 per cent. For April shipments were about 93 per cent and bookings about 55 per cent. In both 1924 and 1925 May and June were the low months in bookings.

There is no unfavorable news from the steel-consuming lines as to the next few months, there being merely some slight seasonal decreases in activity. Consumption of steel is, indeed, holding up decidedly better than was expected. Conditions have so changed in recent years that judgment based on general appearances is likely to go astray. Markets lack snap and excitement though handling very large tonnages, indicating increased efficiency.

Lettings of fabricated structural steel contracts reported last week totaled 37,000 tons, and the average in five weeks was 37,500 tons a week, which is 27 per cent above the average in the preceding 18 weeks since the beginning of the year. Orders for 3500 freight cars were reported. In general, freight-car buying has amounted to little for three months and is not likely to be heavy in future.

The Standard Sanitary Manufacturing Company has made pig-iron purchases for the second half of the year for its Baltimore and Louisville plants, having previously bought, as already reported, 28,000 tons for the two plants in the Pittsburgh district.

For the Baltimore plant the company has just bought 9000

tons, of which 3000 tons is imported iron, 5500 tons comes from the nearby steel interest and 1500 tons is taken from a merchant furnace. The last named iron cost considerably more than the other two classes, the average cost of the entire lot being just under \$22, delivered at the plant. The iron recently bought for the two Pittsburgh district plants cost about \$2 a ton less delivered.

For the Louisville plant the company used to buy Alabama iron, but prices at Birmingham have lately been so much higher, relative to Northern iron, than formerly that Northern iron is now used. The purchase just made was 22,000 tons, the bulk being Iron-ton iron at \$21.65 delivered, based on \$19 at furnace, while some Toledo iron was taken at the same delivered price.

Report on Steel Ingots.

Following is the monthly production of steel ingots, from January, 1925, to May, 1926, as reported to the American Iron and Steel Institute by companies which made 94.50 per cent of the steel ingot productions in 1925:

Months	Open hearth	Bessemer	All other	Monthly production companies reporting	Calculated monthly production all companies	No. of work-ing days	Approximate daily production all companies	Gross tons
1925								
Jan.	3,263,256	689,996	11,960	3,965,212	4,193,281	27	155,307	155,307
Feb.	2,933,225	602,042	12,998	3,548,265	3,752,352	24	156,348	156,348
March ...	3,337,721	614,860	13,633	3,966,214	4,194,340	26	161,321	161,321
April	2,858,866	515,715	14,182	3,388,763	3,583,676	26	137,834	137,834
May	2,755,561	497,708	13,790	3,267,059	3,454,971	26	132,883	132,883
5 Mos. ...	15,148,629	2,920,321	66,563	18,135,513	19,178,620	129	148,671	148,671
June	2,540,729	476,945	12,490	3,030,164	3,204,451	26	123,248	123,248
July	2,446,068	457,095	13,547	2,916,710	3,084,472	26	118,634	118,634
Aug.	2,698,285	523,734	12,914	3,234,933	3,420,998	26	131,577	131,577
Sept.	2,738,673	547,121	13,977	3,299,771	3,489,565	26	134,214	134,214
Oct.	3,077,114	584,567	15,624	3,677,305	3,888,814	27	144,030	144,030
Nov.	3,092,194	581,347	17,085	3,690,626	3,902,900	25	156,116	156,116
Dec.	3,169,796	569,304	15,843	3,754,943	3,970,918	26	152,728	152,728
Total ...	34,911,488	6,660,434	168,043	41,739,965	44,140,738	311	141,932	141,932
1926								
Jan.	3,326,846	581,683	13,664	3,922,193	4,150,469	26	159,633	159,633
Feb.	3,023,829	556,031	12,818	3,592,678	3,801,776	24	158,407	158,407
March	3,590,791	635,680	15,031	4,241,502	4,488,362	27	166,236	166,236
April	3,282,435	601,037	13,652	3,897,124	4,123,941	26	158,613	158,613
May	3,201,330	516,676	10,437	3,728,443	3,945,336	26	151,744	151,744
5 Mos. ...	16,425,231	2,891,107	65,602	19,381,840	20,509,884	129	158,991	158,991

Meeting of Heating and Piping Contractors.

At the closing session of the annual convention of the National Association of Heating and Piping Contractors in Washington, D. C., Harry M. Hart of Chicago was elected president. Other officers include the following: William H. Driscoll, Long Island City, N. Y., re-elected vice-president; Horace W. Jones, Rochester, N. Y., re-elected treasurer, and Henry B. Gomers, New York, elected secretary.

Power-House and Tunnel Piping at Duke University.

The Seeley Company of Atlanta, Ga., advises the MANUFACTURERS RECORD that it has recently been awarded contract for furnishing and installing all power-house and tunnel piping at Duke University at Durham, N. C., and that it will be in the market for approximately three carloads of iron pipe, brass pipe, a great quantity of cast-brass flanges and brass flanged and screw fittings.

The City Commission of Miami, Fla., will receive bids until June 21 for the purchase of \$3,550,000 of municipal improvement bonds, the first portion to be sold of an issue of \$11,500,000 authorized last February.

RAILROADS

Financial Results on Railroads in Four Months This Year.

The net railway operating income of the Class 1 railroads in April amounted to \$76,281,630, which was at the annual rate return of 4.65 per cent on their property investment, according to their reports filed with the Bureau of Railway Economics. In April last year their net railway operating income was \$66,465,322, or 4.14 per cent on property investment. This compilation as to earnings in April is based on reports from 188 Class 1 railroads, representing a total of 237,077 miles of line.

Gross operating revenues for April amounted to \$499,661,968, as compared with \$473,703,664 in April, 1925, or an increase of 5.5 per cent. Operating expenses totaled \$384,833,080, compared with \$370,789,072, or an increase of 3.8 per cent. The railroads also paid in April \$30,188,496 in taxes, an increase of \$2,021,938, or 7.2 per cent over the same month in 1925.

During the first four months of this year Class 1 railroads had a net railway operating income of \$299,867,494, which was at the annual rate of return of 4.76 per cent on property investment. During the corresponding period last year the net railway operating income of those roads totaled \$271,095,577, or 4.41 per cent on property investment.

Gross operating revenues for the first four months in 1926 amounted to \$1,971,315,727, compared with \$1,900,608,485 during the corresponding period last year, or an increase of 3.7 per cent. Operating expenses for the four months period this year totaled \$1,520,545,241, compared with \$1,487,870,526 during the corresponding period last year, or an increase of 2.2 per cent.

During the first four months in 1926, Class 1 railroads paid out in taxes \$117,878,918, an increase of \$7,399,170, or 6.7 per cent, compared with the corresponding period one year ago.

Class 1 railroads in the Southern district during the first four months this year had a net railway operating income of \$55,808,605, which was at the annual rate of return on their property investment of 5.71 per cent. In the same period last year they showed an annual rate of 5.70 per cent. Their gross operating revenues for the first four months this year totaled \$299,172,302, an increase of 8.9 per cent over the same period in 1925, while operating expenses increased 8.6 per cent.

Great Reduction in Freight-Loss Claims.

R. H. Aishton, president of the American Railway Association, told the annual convention of the freight claim division of the association, which opened at Norfolk, Va., June 15, that through this organization, acting in co-operation with the railroads and the public, claims paid by the Class 1 railroads for loss and damage to freight shipments have been reduced from \$120,000,000 in 1920 to \$36,760,000 in 1925. A feature of even more value, he said, is the improvement in public relations that has been established by means of freight-claim conferences, etc. Mayor S. Heth Tyler of Norfolk welcomed the delegates. Other speakers included W. L. Stanley, vice-president, Seaboard Air Line Railway; C. H. Dietrich, freight claim agent of the Chicago, Milwaukee and St. Paul Railway and chairman of the Freight Claim Division; W. J. Jenks, vice-president, Norfolk and Western Railway; F. P. Pelter, vice-president, Norfolk Southern Railroad, and G. D. Brooks, assistant to the vice-president in charge of operation of the Chesapeake and Ohio Railway.

REDUCTION OF 35 PER CENT IN ACCIDENTS.

Claims That Record of 28 Railroads Can Be Equaled, Also Great Saving in Industries.

Twenty-eight Class 1 railroads have succeeded in reducing the number of accidents to persons 35 per cent or more, according to a statement by the American Engineering Council, 29 West 39th street, New York city, which is conducting a nation-wide survey of safety and production in 2000 industrial plants. This is the goal definitely fixed for 1930 on all the railway lines of the United States by the American Railway Association.

The six-year contest against casualties in transportation was started by the association two years ago following evidence in the records of the Interstate Commerce Commission that accidents could be cut more than one-third.

The fact that in two years 28 lines have already attained the reduction quota is pointed out as proof that industrial accidents of every kind can be largely eliminated and a new era of safety inaugurated.

The estimated two-year reduction on all Class 1 railroads is 525 in number of persons killed, 36,295 in the number injured, casualties as a whole during this period being 36,820 fewer. These reduction figures, it was explained, apply to "casualties to employees on duty per million man-hours in train, train service and non-train accidents on Class 1 steam railroads."

At the present-day wastage, it was declared, it is costing the insurance companies more than \$200,000,000 per year in accident losses, 50 per cent of which, it is estimated, can be saved through greater effort along co-ordinated lines.

Universal co-operation of executives and the co-ordination of every available agency applicable to universal safety would, it was said, effect in less than five years a saving of more than 50,000 lives annually, 40 per cent of which would be lives of children.

L. R. Palmer, conservation engineer of the Equitable Life Assurance Society and vice-president of the council, asserted that this saving unquestionably could be accomplished under the direction of a national senior advisory council, made up of such men as Judge E. H. Gary, head of the United States Steel Corporation, and Secretary Herbert Hoover of the Department of Commerce, who was the first president of the American Engineering Council.

Contractors at Work on the Frisco System's Line to Pensacola.

Pensacola, Fla., June 11—[Special.]—Representing the Duplin Construction Company of North Carolina, E. W. Jordan, president, is making arrangements to establish local headquarters for the company at Atmore, from which point contracts will be let for the grading and line work on the Muscle Shoals, Birmingham and Pensacola Railroad, sub-contractors having already started work on the changes which are to be made in the Turpentine Hill and Boggy localities.

The Duplin Construction Company, general contractors, will sublet contracts for much of the work of rehabilitation of the line, but their contract does not include the concrete work, which will be let to other contractors, nor work on the Pensacola docks, which will not be let but will be under the direct supervision of the St. Louis-San Francisco Railroad Company, which will place its own forces in charge of the construction of the docks and terminals, which are soon to be expended, material having already been ordered.

While in Pensacola, Mr. Jordan, in speaking of the job that has been undertaken by his company, stated that it is

estimated the work will require 1000 persons, including clerical force and labor. He was accompanied by H. L. Luck, representing the Consolidated Construction Company of Jacksonville, and W. W. Whorley of the Bucyrus Company's Birmingham office, which is supplying the machinery for excavating.

South Shows Greatest Traffic Gain.

The volume of freight transported by Class 1 railroads of the United States during the first four months this year was the greatest for any corresponding period on record, according to reports just filed by the carriers with the Bureau of Railway Economics. This traffic amounted to 148,065,839,000 net ton-miles, exceeding by 188,246,000 net ton-miles, or one-tenth of 1 per cent, the best previous record established during the first four months in 1923. Compared with the corresponding period last year, the volume of freight handled this year was an increase of 6.2 per cent. In the Eastern district freight traffic, measured in net ton-miles, showed an increase of 7.3 per cent for the first four months of 1926, compared with the corresponding period of 1925, while in the Southern district there was an increase of 11.6 per cent. The Western district increased 2.2 per cent.

Freight Loadings Over 1,000,000 Cars Weekly.

Loading of revenue freight on the railroads during the week ended May 29 totaled 1,081,164 cars, according to reports filed by the lines with the Car Service Division of the American Railway Association. This was the third consecutive week this year that loading of revenue freight has been in excess of one million cars and is the heaviest loading ever reported during any one week at this season of the year. Heretofore 1,081,164 cars has never been equaled prior to August. The total for the week of May 29 was an increase of 41,779 cars over the preceding week, and this gain was due to a general increase in the loading of all commodities except coke, which showed a small decrease. During the first five months this year there have been 20,924,314 cars loaded with revenue freight, as compared with 20,362,618 cars in the corresponding period of last year and with 19,559,970 cars for the same period of 1924.

Modern Box Cars Lighter, Stronger and of Greater Capacity.

R. H. Aishton, president of the American Railway Association, addressing the seventh annual convention of the Mechanical Division of the American Railway Association in Atlantic City last week, said, in part, as follows:

"The members of the Mechanical Division of the American Railway Association are carrying on as important a public relations work as any executive or other officer of the railroads. Take the matter of standardization of box-car design as developed by the mechanical officers. Due to refinements in design, these cars are of considerably lighter weight than many 80,000-pound-capacity cars designed and built a few years ago, including those built by the United States Railroad Administration. In fact, they are 3000 pounds lighter than the 80,000-pound car built by some railroads five and six years ago, but of equal or greater strength.

"The modern standard 100,000-pound-capacity box car weighs approximately 13 per cent more than the steel under-frame 60,000-pound-capacity box car of 30 years ago, but it has a carrying capacity permitting a revenue load of approximately 94 per cent greater. In addition to that, the modern box car has a cubical capacity to take care of light bulky freight of from 35 to 78 per cent greater than the standard box car of 30 years ago.

Hialeah Freight Yard and Engine Terminal to Cost \$2,600,000.

About eight miles west of Miami, at Hialeah, Fla., the Florida East Coast Railway Company is constructing a new freight yard and engine terminal. During the past year tracks having a capacity of 1300 cars were placed in service. During the current year the capacity of this yard will be increased to over 3800 cars. This yard is another step in the Florida East Coast Railway Company's program to so build its system that it may render the best service in both passenger and freight traffic.

The Hialeah yard, about three and one-half miles long, contains the usual receiving, classification, departure, repair and storage subdivisions. There is one feature in connection with the construction of this yard which is of more than passing interest. The site of the yard is in the lowlands southeast of the Florida Everglades, west of the Miami Drainage Canal. In order to secure adequate protection against floods and to obtain the elevation required for the necessary drainage, over a million yards of fill were necessary. To locate any amount of material for fill is a problem on the east coast of Florida. A solution was obtained by excavating a canal immediately west of the yard area. From the excavation the necessary fill was secured. This canal also affords further protection against damage by flood during periods of extreme rainfall.

The shop buildings comprise a 12-stall roundhouse, a 100-foot turntable, wash and locker buildings for roundhouse and car-department employes, machine shop, power plant, store and oil house, sand house, fuel-oil tanks, water-treating plant, yard office, wood mill, blacksmith shop, lumber-storage shed and car-department office.

The roundhouse will be of reinforced concrete construction, while the remainder of the buildings will have structural steel frames with brick walls. Fireproof construction will be followed in the use of steel sash and cement tile or built-up roofs on concrete slabs. The footings will rest on the native coral rock, which at this particular location occurs at the natural grade of the ground.

The total cost of this project is estimated at \$2,600,000. The American Engineering and Contracting Company of Miami is making the fill; the J. D. Moore Company of Jacksonville have the contract for the track laying. The Foundation Company of New York are constructing the shop buildings from plans prepared by their engineering department.

Major items of equipment and material will be furnished by the following: The American Bridge Company has been awarded a contract for one of their three-point support, continuous turntables. A 55,000-barrel fuel-oil storage tank will be furnished by the Chicago Bridge and Iron Company. Oil burners have been purchased from the Hammel Oil Burner Company. In the roundhouse Johns-Manville smoke jacks and a Whiting drop table will be used. The Casey Hedges Company will furnish the boilers in the power plant and the National Boiler Washing Company will install their boiler washout system. The stack for the power plant will be erected by the William Kellogg Company. The oil house will be equipped with Bowser pumps.

Agricultural Progress of Georgia and Alabama.

The summer edition of the Agricultural Bulletin, issued quarterly by the Agricultural Department of the Atlanta and West Point Railroad Company, the Western Railway of Alabama and the Georgia Railroad, is a most interesting and inspiring number. Several pages are devoted to the expanding educational facilities of Georgia high schools, many of which now offer special training courses in agriculture to

high-school students. Not a high school in Georgia was teaching agriculture eight years ago, but today more than a hundred and forty teachers of agricultural courses are employed in the public schools of the state.

Other special articles deal with Lee county, Alabama, and its progress; the agricultural and industrial development of Troup county, Ga.; the development of De Kalb county, Ga.; farming in the Athens section, the passing of the big plantation in the Piedmont section of Georgia and the extent of soil-building operations in the territory served by the Atlanta and West Point Railroad Company, the Western Railway of Alabama and the Georgia Railway.

The edition is replete with illustrations which convey to the reader a most comprehensive picture of agricultural and business development in the territory covered by these three Southern railroads.

The Bulletin may be obtained free on request to E. S. Center, Jr., general agricultural agent, Atlanta and West Point Route, Atlanta, Ga.

New Equipment and Rails.

Illinois Central Railroad has ordered 50 locomotives of a new type from the Lima Locomotive Works. They weigh about 193 tons each and their wheel arrangement is 2-8-4, being duplicates of the Lima Type A-1 locomotive, and they will have 63-inch driving wheels, 28 by 30 inch cylinders and 240 pounds working pressure. As indicated by the wheel data, each engine will have a booster at the rear, mounted on an articulated truck with four wheels. The total cost of these engines will be about \$4,800,000. Tractive effort is 69,400 pounds, but with booster also working it is 82,600 pounds. Greater economy as well as increased power is claimed for this type of locomotive.

Norfolk and Western Railway is reported in the market for 54,000 tons of rails.

Chicago, Indianapolis and Louisville Railroad has ordered 6 Mikado-type locomotives from the American Locomotive Company.

Baltimore and Ohio Railroad has ordered 500 automobile box cars from the Bethlehem Shipbuilding Corporation and 500 automobile box car bodies from the Standard Steel Car Company.

St. Louis-San Francisco Railroad has ordered 4 passenger and baggage gas-electric cars from the J. G. Brill Company.

Tennessee Central Railroad has ordered 100 gondola cars, 100 hopper cars, 50 stock cars and 25 flat cars from the Pressed Steel Car Company.

Coal and Timber Railroad to Be Built in West Virginia.

Concerning the recent incorporation of the Nicholas, Fayette and Greenbrier Railroad Company in West Virginia, G. B. Wall, vice-president of the Chesapeake and Ohio Railway Company, Richmond, Va., writes to the MANUFACTURERS RECORD as follows:

"This company was incorporated to be jointly owned by the Chesapeake and Ohio and the New York Central Railroad for the purpose of building a road from Swiss, on Gauley River, up Gauley and Meadow rivers, to Rainelle, W. Va., to develop valuable coal fields on the headwaters of Meadow River, a distance of 47½ miles.

"The route extends through a rugged, mountainous country and will develop very valuable timber country, as well as coal fields similar to the low volatile and New River measures.

"Authority for construction has not yet been secured from the Interstate Commerce Commission and, of course, the contract will not be let until that permission is given."

TEXTILE

Samuel F. Patterson.

In the recent death of Samuel F. Patterson of Roanoke Rapids, N. C., the South loses one of its foremost industrial figures. Mr. Patterson had been elected president of the American Cotton Manufacturers Association at the convention of the association in Atlanta during the previous week and was completing a term as president of the Cotton Manufacturers Association of North Carolina. His illness, said to have been of several years' duration, was thought to have

been aggravated by his trip to the Atlanta convention, bringing on a condition which was the immediate cause of his death.

Following a funeral service at the Methodist church at Roanoke Rapids, the body of Mr. Patterson was removed to his mother's home at Winston-Salem, where a service was conducted by Bishop Edward Ronthaler and Dr. J. K. Pfohl, pastor of the local Moravian church. Active pallbearers included H. F. Shaff-



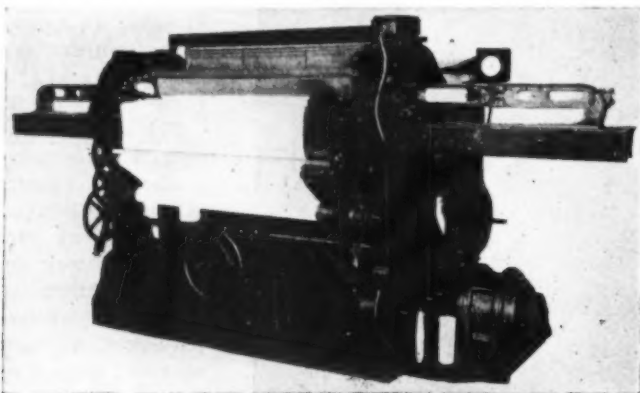
THE LATE SAMUEL F. PATTERSON.

ner, W. F. Shaffner, F. F. Bahnson, Dr. Phin Horton, Henry R. Starbuck, Dr. T. W. M. Long and W. I. Brooks. Among the honorary pallbearers in attendance were Governor A. W. McLean, E. C. Brooks, Raleigh; Winston D. Adams, Charlotte; O. Max Gardner, Shelby; Bernard Cone, Greensboro; E. C. Dwelle, Charlotte; Hunter Marshall, Jr., Charlotte; Dr. S. B. Pierce, Weldon; Arthur M. Dixon, Gastonia; T. Ashby Blythe, Philadelphia; W. Lunsford Long, Roanoke Rapids; Thomas C. Wilson, Philadelphia; John McGuire, Philadelphia; Charles G. Hill, Winston-Salem; William T. Council, Roanoke Rapids; David Clark and S. B. Alexander, both of Charlotte.

Born in 1867 at Salem, N. C., Mr. Patterson was the son of the late Samuel Finley Patterson and Frances Fries. He was educated at the Salem Boys' School and at Bingham School, Orange county, North Carolina. From school he went to work for the F. & H. Fries Mills at Salem, and from Salem he went to Concord, where he took charge, at the age of 19, of three mills for the Odell Manufacturing Company, holding his position with credit to himself until he was 23 years of age. In association with his uncle, Col. F. H. Fries, and the late William H. Kerr, he then purchased the Thistle silk mill at Ilchester, Md. In 1900 he assisted in the organization of the Rosemary Manufacturing Company, Roanoke Rapids, being treasurer of that company until 1920, when he became president and manager. In 1908 he organized the Patterson Mills Company, Rosemary, N. C., and was treasurer and general manager of that company until 1912. At the time of his death he was treasurer and manager of the Roanoke Mills Company and of the Rosemary Manufacturing Company, the former operating about 55,000 spindles and more than 1500 looms for the production of colored cotton flannels, and the latter operating nearly 48,000 spindles and 1300 looms for the production of cotton damask, yard goods, tablecloths and napkins.

Loom Embodies Many New and Interesting Features.

A new type loom has been developed by the Lucas-Lamborn Loom Corp. of New York city and Elizabeth, N. J. In this loom the customary fly-shuttle which is shot through the shed by picker-sticks is supplanted by a shuttle carried positively on arms, being transferred from one arm to the other at the center of the shed. The beater movement is operated separately from the shuttle-carrying mechanism. The harnesses are operated by cams without the use of straps and springs. It also features a mechanical tension device for the take-off of the yarn from the shuttle bobbin, which device supplants the customary method of relying upon waste or bristles



NEW LUCAS-LAMBORN LOOM.

stuffed in the eyelet in the shuttle to give proper tension to the filler thread. The machine is made entirely of metal; therefore, all parts are made on a precision basis.

This machine represents years of development work by the inventor, Jonathan Lucas, and the Lucas-Lamborn Loom Corp.

The Lucas-Lamborn looms have been in operation for a number of months at the plant of the corporation at Elizabeth, N. J., and have been seen by numerous textile experts, mill owners and engineers. Those who have viewed the machines in operation have agreed that the inventor's claims have been substantiated. Some of the advantages claimed for the machine by the maker are:

"The elimination of abrasion and breakage in the warp threads occasioned by the repeated passage of the shuttle across the warp threads. In this machine the shuttle does not touch the warp.

"The fact that the machine carries a very much larger bobbin than is possible on the fly-shuttle type machine allows the running of the machine on one filling of the shuttle for a period of approximately 12 times as long as one filling of the shuttle can be operated on the present type machine.

"The positive tension device eliminates practically all the breakages of the filler thread and also enables the weaver, if desired, to weave a piece of cloth having no more elasticity in its width than in its length; this, because the tension device keeps the filler thread taut at all times, allowing no more filler in the cloth than is required by the width of the cloth.

"The fact that the beater movement is separate from the shuttle movement allows for the making of more compact cloth, if desired.

"The harness movement on the machine does not subject the warp to sudden jerks, but is an easy, gradual movement operated entirely by cams.

"The machine being entirely of metal, and on a precision type, each machine will weave the same type of cloth as every other machine when properly adjusted, and will continue to weave cloth of a uniform type without change.

"Because of the precision qualities of the machine, the large size of the bobbin carried and the elimination of most of the warp and filler thread breakages, a very great saving in the use of weavers and loom fixers is made in the operation of this machine. The inventor has demonstrated that the machine can be run at very much greater speed than any fly-shuttle type loom can be operated; in fact, engineers who have viewed the machine claim that its speed is only limited to the speed at which the filler thread can be drawn across the warp without breakage."

Patents have been issued or allowed to the corporation on the machine as a whole, and various parts of the machine, both in the United States and numerous foreign countries.

The corporation is about to negotiate for the building of this machine under patent license in the United States, and it is thought that the licensees will be able to be in production within a period of six months.

Cannon Manufacturing Company's New Power Plant.

All contracts for building and equipment for the new power plant to be erected at Kannapolis, N. C., for the Cannon Manufacturing Company have been awarded, according to a letter to the MANUFACTURERS RECORD from Thomas E. Murray, Inc., of New York, who are engineers for the plant. This is designed to be one of the most modern power plants in the textile industry and is expected to be ready for operation by November of this year. It will contain three 620-horsepower Walsh & Weidner boilers, equipped with the Murray Water Wall furnace and will have a maximum capacity of 181,800 pounds of steam per hour. A 2500-kilowatt General Electric back-pressure type turbine will act as a pressure-reducing valve and will furnish part of the power to the mills.

Contracts for the foundation and superstructure have been awarded to Brown, Harry & Co., Gastonia, N. C., and for structural steel to the Virginia Bridge and Iron Company of Roanoke. All plant equipment has been purchased directly from the manufacturers and will be erected under the supervision of the engineers.

Second Unit for Dan City Silk Mill.

Danville, Va.—Financial details have been arranged for the erection of the second unit here of the Dan City Silk Company, which will involve an outlay of more than \$150,000, it is stated. Contract has been awarded at approximately \$25,000 to W. A. Nance, local contractor, for the erection of the new mill building, which will be 150 by 60 feet, two stories, of brick and concrete construction. A special committee of the Danville Chamber of Commerce has been instrumental in disposing of a \$50,000 second mortgage bond issue of the company, which will be used in connection with the financing of the new unit. The present plant here operates 250 looms for the production of broad silks.

Missouri Marketing Association Names Officers.

New Madrid, Mo.—At a meeting here of the Missouri Cotton Growers Co-Operative Association, Judge X. Caverno of Canolou, Mo., was re-elected president, and Jesse M. Miles of New Madrid was re-elected secretary. The new board of directors renewed an agreement with the Arkansas Cotton Growers Co-Operative Association, by which the cotton of members of the Missouri association will be marketed through the Arkansas association, an arrangement which has been in effect for the past three seasons. Charles G. Henry of Newport, Ark., is president of the Arkansas Cotton Growers Co-Operative Association, which has its main offices in Little Rock.

GOOD ROADS AND STREETS

70 Miles in Kentucky.

Frankfort, Ky.—Bids will be received until June 21 by the Kentucky Highway Commission for the construction of 10 road and three bridge projects, the former to cover a total of approximately 70 miles. Road work will embrace a total of more than 27 miles of grade and drainage construction covered in four projects; two projects covering a total of 4.35 miles of rock asphalt on crushed stone, or 8.6 miles of bituminous macadam, or 8.7 miles of waterbound macadam; 10.10 miles of bituminous concrete on crushed stone base, or rock asphalt on crushed stone base, or bituminous macadam; 8.313 miles of waterbound macadam, or surface-treated macadam, or bituminous macadam; 13.18 miles of gravel or waterbound macadam, and 8.159 miles of gravel, waterbound macadam or surface-treated macadam.

The proposed bridges will include a structure on the Lancaster-Nicholasville road in Garrard and Jessamine counties, to consist of five 50-foot concrete spans and one 175-foot steel span; separate bids to be received on the latter. There will also be a bridge on the Beattyville-Jackson road in Lee county, to consist of one 69-foot and two 30-foot concrete spans, and a bridge on the Winchester-Stanton road in Clark county, to consist of one 50-foot concrete span.

51 Cars of Paving Brick for Orlando.

Orlando, Fla., June 12—[Special.]—The Seaboard Air Line Railway delivered a solid train of 51 cars of paving brick at Orlando one day last week, the largest single shipment of brick ever received here and the first of several similar trains to be brought to Orlando in the near future. The brick is to be used in paving local streets. The Seaboard Air Line, in handling the train to Orlando, used one of its huge Sante Fe type freight engines.

Maryland Sells \$1,800,000 of Bonds.

Two bond issues aggregating \$1,800,000 have been sold by the state of Maryland, John M. Dennis, treasurer, Annapolis, to Alexander Brown & Sons, Baltimore, at 103.6441. One issue is for \$1,500,000 of road-building bonds and the other for \$300,000 for bridge building and the elimination of grade crossings. The bonds will bear an interest rate of 4½ per cent and will mature serially from 1929 to 1941. They will be dated June 15, 1926.

11 Miles to Cost \$160,000.

Bids recently submitted to the Maryland State Roads Commission, Baltimore, for the construction of five road projects covering a total of 11.5 miles disclose that the total cost will approximate \$160,000. The work will include two projects calling for a total of 4.98 miles of concrete to cost \$108,778 and three projects embracing a total of 6.52 miles of gravel to cost \$50,607.

Contracts for 80 Miles Total \$1,000,000.

Montgomery, Ala.—Contracts have been awarded by the Alabama State Highway Commission for approximately 80 miles of road work, at an aggregate cost of nearly \$1,000,000. The proposed work will include about 50 miles of gravel, with bridges, to cost upward of \$700,000, and about 30 miles of grading, to cost more than \$275,000.

Lake Fern special road and bridge district, Hillsborough county, W. A. Dickenson, ex-officio clerk of the Board of County Commissioners, Tampa, Fla., will vote June 22 on a bond issue of \$306,000 for the construction of roads.

Educational Standards Raised by Good Roads.

Richmond, Va.—Educational standards of the United States, particularly in the rural districts, have been raised during the past few years as a result of good roads, according to H. G. Shirley, president of the American Road Builders Association.

"The children of today have an opportunity to attend good schools regardless of the condition of the weather, even in the most remote regions of the country," Mr. Shirley said. "This regular and increased attendance has made it possible for better teachers to be employed, larger and more modern schools constructed and conditions of study generally improved."

"The advent of the paved highway has made it possible for rural communities of small population to co-operate in the erection of these modern buildings and the employment of highly trained instructors. The children may attend regularly from distances heretofore impossible and over roads until now impassable during certain seasons."

"The adoption of the consolidated school system in many states has resulted from the good-roads movement," Mr. Shirley said. "In Mississippi more than 72,000 children are taken to school daily over improved highways. North Carolina transports approximately 65,000 to school each day, and Indiana about 47,000. It is estimated that more than 700,000 children ride over the highway to their studies in a single day, under regularly established highway transportation systems."

"From these figures it may readily be seen that good roads are an invaluable asset to education," added Mr. Shirley. "For that reason the school children of the country will be asked to celebrate Good Roads Week from January 10 to 15, 1927, with appropriate exercises. At that time the annual convention and road show of the American Road Builders Association will be in session at Chicago."

Missouri Awards Contracts for 31 Miles.

Jefferson City, Mo.—Contract has been awarded by the Missouri State Highway Commission for grading and drainage construction on 3.72 miles of road in Wayne county, while tentative contracts have been awarded for approximately 27 miles of road work in other counties. The latter will include four projects covering concrete and gravel construction on a total of 14.527 miles, two projects embracing a total of 5.082 miles of grade and drainage construction and two projects covering 7.768 miles of gravel roads. A tentative contract has also been awarded for cleaning and painting a bridge in Buchanan county.

Virginia Sells \$4,000,000 of Highway Certificates.

Richmond, Va.—State highway certificates of indebtedness in the amount of \$4,000,000 have been sold by the Board of Sinking Fund Commissioners of Virginia to the First National Bank and the Merchants National Bank, Richmond, and the Guaranty Trust Company of New York at \$4,042,399. These certificates, which are a part of an issue of \$7,500,000 authorized by act of the General Assembly, will bear an interest rate of 4¼ per cent and will mature at the rate of \$500,000 each year from 1930 to 1937, inclusive. They will be dated July 1, 1926.

Bids will be received until June 22 by the State Roads Commission, Baltimore, for the construction of Belair road from the old city line of Baltimore, near Erdman avenue, to the new city limits, the cost estimated at \$300,000.

LUMBER AND BUILDING MATERIALS

Lumber Activity Continues.

Washington, June 10.—The National Lumber Manufacturers Association received telegraphic reports today of the status of the lumber industry for the week ended June 5 from 398 of the larger softwood and 155 of the chief hardwood mills of the country. On account of the holiday included in this week, the 383 comparably reporting softwood mills showed considerable decreases in production and new business and a slight decrease in shipments when compared with reports for the previous week from 374 mills. In comparison with reports for the same period last year, when 370 mills reported, increases in all three items were noted, thus continuing the phenomenon of larger lumber shipments in the face of a lower volume of reported business operations.

Hardwood operations expanded but were hardly comparable, as 28 more mills reported for last week than for the week earlier.

The unfilled orders of 238 Southern Pine and West Coast mills at the end of last week amounted to 690,129,553 feet, as against 693,891,107 feet for 237 mills the previous week. The 131 identical Southern Pine mills in the group showed unfilled orders of 277,039,000 feet last week, as against 282,996,380 feet for the week before. For the 107 West Coast mills the unfilled orders were 413,090,553 feet, as against 410,894,727 feet for 106 mills a week earlier.

Altogether the 383 comparably reporting softwood mills had shipments 102 per cent and orders 89 per cent of actual production. For the Southern Pine mills these percentages were, respectively, 106 and 97, and for the West Coast mills 110 and 95.

Of the reporting mills the 347, with an established normal production for the week of 235,779,483 feet, gave actual production 99 per cent, shipments 104 per cent and orders 92 per cent thereof.

The following table compares the national softwood lumber movement, as reflected by the reporting mills of eight regional associations, for the three weeks indicated:

	Past week	Corresponding week 1925	Preceding week 1926 (revised)
Mills	383	370	374
Production	266,558,447	242,287,504	286,142,624
Shipments	271,093,586	256,789,451	276,654,027
Orders	237,479,575	229,609,262	273,758,695

The following revised figures compare the softwood lumber movement of the same eight regional associations for the first 22 weeks of 1926 with the same period of 1925:

	Production	Shipments	Orders
1926	5,589,818,011	5,814,556,782	5,579,111,935
1925	5,457,716,270	5,549,859,235	5,393,658,895

The Southern Cypress Manufacturers Association of New Orleans, for the week ended June 2, reported from 15 mills a production of 5,317,964 feet, shipments 4,820,000 and orders 5,120,000. In comparison with reports for the previous week, when three fewer mills reported, this association showed big increases in production and new business and a notable increase in shipments.

The Southern Pine Association reports from New Orleans that for 131 mills reporting shipments were 5.58 per cent above production, and orders 2.86 per cent below production and 8 per cent below shipments. New business taken during the week amounted to 68,489,040 feet, shipments 74,446,420 feet and production 70,508,790 feet. The normal production of these mills is 79,557,856 feet. Of the 125 mills reporting running time 85 operated full time, 20 of the latter overtime. One mill was shut down and the rest operated from two to five and one-half days.

The hardwood mills of the Northern Hemlock and Hardwood Manufacturers Association reported from 24 mills pro-

duction as 3,983,000 feet, shipments 3,309,000 and orders 3,697,000.

The Hardwood Manufacturers Institute of Memphis, Tenn., reported from 131 units production as 20,107,423 feet, shipments 18,158,568 and orders 19,583,125. The normal production of these units is 22,063,000 feet.

For the past 22 weeks all hardwood mills reporting to the National Lumber Manufacturers Association gave production 621,977,983 feet, shipments 587,942,554 and orders 601,968,613.

Rushing Rebuilding of Brick Plant.

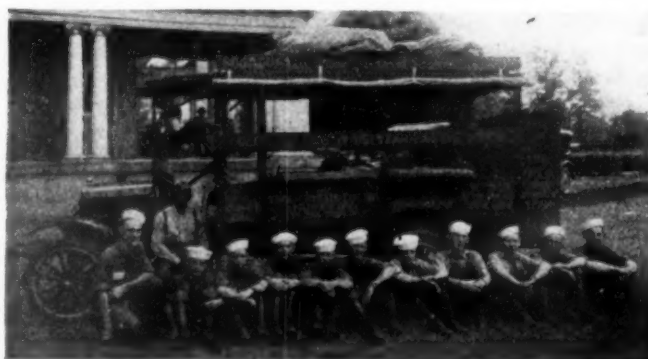
Johnson City, Tenn.—Work in connection with the rebuilding of the burned plant of the Johnson City Shale Brick Corporation is under way. Through the courtesy of E. Taylor Chewning of the Continental Clay Products Company, Washington, D. C., the installation of new machinery to take the place of that destroyed by the fire has been very materially facilitated. Mr. Chewning turned over to the Johnson City Corporation certain machinery which was being made for him, enabling the machinery companies to divert the equipment to the local firm.

Chamber Bros. Company of Philadelphia, the Link-Belt Company of Philadelphia and the Hadfield-Penfield Steel Company, Bucyrus, Ohio, are furnishing the new equipment. The engineers of the three companies are co-operating with the brick company's organization in laying out and constructing a very modern and efficient brick and tile plant. Complete equipment for the new plant will be shipped within the next two or three weeks and will be placed as quickly as the foundations are ready to receive it.

The company will very shortly decide upon the type of buildings to house the new equipment.

Bogalusa Youths on Extensive Tour.

Bogalusa, La., June 5.—What is believed to be one of the greatest tours ever made by a party of young men from this section of Louisiana left here Tuesday for a 75-day trip, which will carry them across the United States into Canada, down the Pacific Coast to California, then into Mexico and



GROUP OF BOYS MAKING THE TRIP.

back to Bogalusa. The trip was made possible by the Y. M. C. A. and the Great Southern Lumber Company. A. L. Rodgers, physical director of the Y. M. C. A., is in charge of the party.

The tour will be made by automobile truck, which, together with the necessary equipment, was furnished by the Great Southern Lumber Company. The truck is filled with signs to tell the sections visited about Bogalusa and Louisiana. Every possible convenience for the truck and for use in camp has been provided.

MECHANICAL

Light Weight Welding Torch.

Consistent with the demand for a small welding torch for work not requiring the usual standard torch, the Alexander Milburn Company, Baltimore, Md., has perfected the Type J-Jr. Torch. This is a sturdy, compact torch giving a high degree of efficiency and economy. The torch uses the same



LIGHT-WEIGHT WELDING TORCH AND TIPS.

tips as are supplied with the standard larger torches and is adaptable to all classes of welding. It uses low and comparatively equal pressures of oxygen and acetylene.

Because of its light weight, it is not tiresome to operate it continuously. The quality of its work has been highly satisfactory. Comparisons of its use, it is stated, show savings in gas and a speeding up of work.

The supermixing of the gases through a standardized system of multiple mixing assures a complete intermixing of the gases and a uniform flame. The seats of the tips are flat, with annular grooves coinciding with those in the head, the gas passages entering through the annular grooves or rings which separate the gases. The construction of these seating surfaces allow lateral expansion of torch head and tip without distortion, and the seats are very easily refaced.

This torch is adapted to gas supplied either from generators or compressed in tanks. It is made of bronze forgings and specially drawn stainless tubing. It is very simple, with all parts easily accessible. An angle of $67\frac{1}{2}$ degrees in the head allows a natural position in operating. The torch is 18 inches long, weighs 25 ounces and is furnished with three welding tips adaptable to a wide range of welding.

New Metal-Center Packing.

A new type of metal-center packing for piston rods of steam engines is shown in the picture herewith. It is a lubricated, non-friction metal packing, with side walls, back and cushion of frictioned asbestos cloth, and it is known as Garlock 377, being manufactured by the Garlock Packing



SHOWING CONSTRUCTION OF PACKING.

Company of Palmyra, N. Y. The packing is manufactured complete from the crude to the finished commodity in the company's factories, so that its quality is controlled.

The metal core of this packing is made from a solid piece of non-friction metal. The special design procures a number of small metal surfaces so staggered as to give a pressure-

tight bearing on the rod. The diamond cuts in the metal impart extreme flexibility to the packing, enabling it to closely encircle the rod. The small round punchings act as emission holes for the lubricant that is retained in the many folds of the metal. The asbestos side walls and back hold the metal in place, and the folded asbestos core above the metal acts as a pusher and compensating cushion to bring the metal to the rod at an even pressure.

The ratio of wear on the bearing surface of the packing is, it is stated, the same at all times on account of the square construction of the metal core, and the company recommends this product particularly for service on the piston rods of main engines on steamships, deck engines, hoisting engines, steam shovels and dredges, steam hammers, kickers and steam "niggers" in the lumber trade, and also as a general all-around steam-engine packing.

High Capacity Truck Loader.

A new high-capacity truck loader which has a loading capacity of four yards per minute is shown in the accompanying picture.

This machine, which was lately brought out by the George Haiss Manufacturing Company of New York city, is equipped with caterpillar traction, has four strands of chain and two strands of buckets, making a total width of bucket 37 inches. The loader also has a 37-horsepower Waukesha



THE NEW TRUCK LOADER AT WORK.

engine and a transmission box which encloses the clutches and gears, similar to that used on the Haiss "Path-Digging" loaders. The tail shaft is nine feet long, which means that the loader clears a path that wide, so that it can be crowded into a pile of material with the slow-speed mechanism at 39 inches per minute.

The elevator unit is pivoted on an "A" frame and is equipped with a raising and lowering device actuated by a hand wheel through a worm and gear jackknife. This device makes it very easy for one man to raise and lower the elevator as necessary. Like all other loaders of this make, this is strictly a one-man operated machine. All the sprockets as well as the chain are manganese steel, making for extra-long wear. The loader has a clearance under the spout of 10 feet.

One of these machines has recently been purchased by the Stephens Fuel Company of New York city, who are loading material at the rate of four yards per minute.

The demand for this loader is among industrial plants as well as contractors who use trucks of five yards capacity and over. It materially reduces the time of loading, as compared with small loaders, and the advantage gained in trips made by the trucks pays for the loader, it is claimed, in direct ratio as to the number of yards of material handled

CONSTRUCTION DEPARTMENT

EXPLANATORY

Additional information is published about all enterprises mentioned in this department as soon as such data can be obtained.

An asterisk (*) following an item indicates that the enterprise has been reported in a preceding issue.

DAILY BULLETIN

The Daily Bulletin is published every business day to enable its subscribers to follow up promptly the industrial, commercial, railroad, financial, building and general business development of the South and Southwest. To machinery manufacturers and dealers, contractors, engineers, and others who require daily information of every new enterprise organized and details about important additions to enterprises already established, the Daily Bulletin is invaluable. Subscription price, \$30.00 a year.

Airplane Plants, Stations, Etc.

Tex., Dallas—International Airways, Inc., capital \$250,000, chartered; J. E. Whitehead, Santa Fe Bldg., taken over 3 hangars, 140 airplanes at Love Field of the Southern Airways, Inc.; plans airplane passenger and mail feeder from Dallas to Houston, Amarillo and San Antonio, Tex.; Shreveport, La., and Tulsa, Okla.

Bridges, Culverts and Viaducts

Proposed Construction

Alabama—State Highway Comm. will build several bridges. See Roads, Streets, Paving.

Ala., Clanton—Chilton County Commrs. Court, L. H. Reynolds, Judge of Probate, receives bids July 5 for two 80-ft. steel bridges complete, two 40-ft. spans, one set of steel legs, 6-ft. long, for each bridge, wooden floors.

Ark., Paragould—Greene County Commrs. receive bids July 15 to complete river bridge at eastern terminal of new highways east.

Fla., Jacksonville—Bayshore Co., 32 W. Forsyth St., plans 4 bridges: Across Cedar Creek, near Eastport; across Dunn's Creek, near Eastport; across San Carlos Creek, near New Berling; across Clapboard Creek, near Mayport.

Fla., Jacksonville—Bayshore Co., 32 W. Forsyth St., plans bridge across Sisters Creek, near Mayport.

Fla., Orlando—City, J. A. Stimson, Clk., receives bids July 7 for bridge over Fern Creek on Washington St.; plans on file.

Fla., Sebring—See Roads, Streets, Paving.

Fla., Tampa—Hillsborough County will build 3 bridges. See Roads, Streets, Paving.

Fla., Tampa—City, W. Leslie Brown, Mgr., plans bridge over Hillsborough River at Florida Ave. and at Sligh Ave.

Fla., Vero Beach—Vero Beach-Detroit Co., Carter & Damerow, Engrs., receive bids July 2 for 2144 lin. ft. creosoted timber trestle, 23-ft. roadway, 60-ft. channel span, double leaf, bascule type bridge, 24x30-ft. 5-room operator's house, 3100 lin. ft. creosoted timber bulkhead, 90,000 cu. yd. hydraulic fill; plans from Engrs.*

Georgia—State Highway Dept. will build 2 bridges. See Roads, Streets, Paving.

Ga., Columbus—Muscogee County will build 2 bridges. See Roads, Streets, Paving.

La., Clayton—Louisiana Highway Comm., Baton Rouge, receives bids July 15 for Tensas River Bridge on Sicily Island-Clayton Highway, in Catahoula-Concordia Parish, 160-ft. steel swing span, two 140-ft. steel fixed truss spans, two 30-ft. concrete deck girder approach spans, concrete piers and abutments, pile footings; 81,165 lbs. reinforcing steel, 438,700 lbs. fabricated structural steel in trusses; plans on file; W. B. Robert, State Highway Engr.

N. C., Lexington—City Comm., Davidson County Commrs. and Southern Ry. System, B. Herman, Ch. Engr., Washington, D. C., plan overhead bridge at Cotton Grove crossing.

N. C., Wilmington—J. G. Wright & Son, developers of Wrightville Beach, plans 400-ft. bridge and about 4000 lin. ft. 30-ft. causeway near development.

Oklahoma—State Highway Dept. will build 3 bridges. See Roads, Streets, Paving.

Okla., Frederick—Granfield Bridge Co. plans constructing and operating toll bridge

across Red River, between Tillman County, Okla., and Wichita County, Tex.

S. C., Charleston—Cooper River Bridge Co., Inc., chartered; John E. Gibbs, 113 Ashley St.; plans bridge across Cooper River.

Tenn., Loudon—State Highway Dept., Nashville, plans bridge across Tennessee River in Loudon County.

Tex., Carrizo Springs—State Highway Dept., Hal Moseley, Chmn., Austin, received low bid from Austin Bridge Co., 1815 Clarence St., Dallas, for 2 90-ft. bridges: creosoted timber trestle bridge on Highway No. 85, near Carrizo Springs, Dimmitt County, and double 5x5 concrete box on Highway No. 85, near Dilley, Frio County.*

Tex., Houston—City, F. Holcombe, Mayor, plans 2 southside approaches to 69th St. Bridge; J. C. McVea, City Engr.

Tex., Huntsville—See Roads, Streets, Paving.

Tex., Smithville—City plans 106-ft. concrete or creosoted material bridge. Address The Mayor.

Virginia—State Highway Comm. received low bids for 2 bridges. See Roads, Streets, Paving.

Va., Roanoke—City, W. P. Hunter, Mgr., receives bids July 9 for 2 reinforced concrete arch bridges: Two 80-ft., one 180-ft. spans over Virginia Railway tracks at Jefferson St.; five 100-ft. and six 106-ft. spans over Virginia Railway tracks, Norfolk & Western tracks, and tracks of Roanoke Railway & Electric Co., Walnut St.; plans on file after June 7, and from B. H. Davis, Const. Engr., Whitehall Bldg., New York City.

Va., Warsaw—See Roads, Streets, Paving.

West Virginia—State Road Comm. will build 2 bridges. See Roads, Streets, Paving.

W. Va., Huntington—City Commrs. receive bids July 7 for concrete substructure and steel superstructure over Guyandotte River at Fifth Ave., 200-ft., two 100-ft. and two 29½-ft. spans, 27-ft. roadway, two 16-ft. walks; A. B. Maupin, City Engr.* Lately noted bids June 14.

Contracts Awarded

Fla., Miami Beach—City let contract to Just-Betteridge Co., at \$66,939 for 2 bridges over Collins Canal, at Alton road and at Twenty-third St., also temporary spans at Liberty Ave. and west of Alton road; E. R. Neff, City Engr.*

Fla., St. Petersburg—City Comm. let contract to Nichols Construction Co., St. Petersburg, at \$30,000 for reinforced concrete bridge over Salt Creek on Third St.

Missouri—See Roads, Streets, Paving.

Tennessee—Tennessee Dept. of Highways and Public Works let contracts for 3 bridges. See Roads, Streets, Paving.

Canning and Packing Plants

Fla., Cocoa—Nevins Fruit Co., H. U. Parrish, Mgr., will erect packing plant on North St., increase present capacity to 10 carloads daily.

Md., Emmitsburg—Meredith Van R. Staub, Frederick, acquired Emmitsburg Canning Co.'s plant; will operate.

Coal Mines and Coke Ovens

Ky., Bigschoal—Hatcher Elkhorn Coal Co., incorporated; James Hatcher, J. B. Polley.

Tenn., Knoxville—Gorman Coal Mining Co., 1721 Henrietta St., capital \$50,000, incorporated; Perry F. Gorman.

W. Va., Charleston—MacAlpin Coal Co., Union Bldg., rebuilding screening plant at

MacAlpin mine in Raleigh County, work to be completed by Sept. 1.

Concrete and Cement Plants

Ark., Little Rock—The Little Rock Concrete Products Co., capital \$25,000, incorporated; R. S. Lander, Pres., 2400 E. Third St., North Little Rock.

La., Alexandria—National Reinforced Concrete Slab Co., J. D. Pace, Mgr., plans erecting plants in various towns; estimated cost \$15,000 each, using about 30 bbls. cement daily.*

Cotton Compress and Gins

Ark., Portia—Portia Gin Co., J. C. Childers, is constructing cotton gin, daily output 30 bales; 24x60-ft. gin house, 24x80-ft. cotton house, 24x36-ft. seed house; ironclad; concrete and wood floors; cost of buildings \$5000, of machinery \$15,000.*

Fla., Milton—W. L. Gulsby, Uriah, Ala., reported interested in establishment of cotton gin.

La., Alexandria—Rapides Compress and Warehouse, Inc., W. D. Hill, Pres., reported to erect \$200,000 warehouse and compress.

Miss., Belzoni—Farmers Gin Co. increased capital, \$8000 to \$30,000.

Miss., Canton—Evans Gin Co. incorporated; Earl Evans, Sr., and others.

Miss., Dell—Dell Gin Co., capital \$20,000, incorporated; E. A. Stacy, Earl Majors.

Okla., Ada—Case Gin Co., capital \$15,000, incorporated; John L. Case, Ott Reeves.

Okla., Holdenville—Holdenville Cotton Compress Co. increased capital, \$25,000 to \$50,000.

Okla., Stratford—Berry Gin Co., capital \$15,000, incorporated; R. C. Berry, Norman; C. L. Griffith, Ada.

Tenn., Memphis—Ernest Rice advises regarding Union Compress & Warehouse Co.: Company has capitalization of \$750,000 preferred stock and 15,000 shares of common no par value; plants going to make up this company are at Chattanooga, Jackson, Memphis, Tenn.; Decatur, Ala.; Greenwood, Rose-dale, Winona, Morehead, Tutwiler, Miss.; Hope and Camden, Ark.; Rayville, La.; are increasing capacity of Decatur plant by adding 2 storage sheds, which will cost about \$75,000; rebuilding Memphis plant entirely and will spend about \$200,000 on this; this will include concrete floors, automatic sprinklers, new boilers and rebuilding certain sheds; will have storage capacity of 50,000 bales; plants should handle 5000 or 6000 bales of cotton.*

Tex., Galveston—Shipside Density Compress Co., Inc., Geo. Sealy, Pres., advises: "Contemplate erecting ironclad buildings on recently acquired 15 blocks of land and expect to complete at least 3 units in time for this season's business; property now being filled to proper grade and plans will be developed in near future; through additional facilities expect to handle 100,000 additional bales this coming season." R. M. Sias, Engr. and Contr., 1506 N½ St.

Tex., George West—J. S. Hall & Sons are rebuilding cotton gin and erecting \$75,000 tile and concrete gin; also building gin at Callihan.

Cottonseed-Oil Mills

Ark., Camden—Camden Cotton Oil Co. acquired plant of Ouachita Cotton Oil Co.; will operate; will repair mill where needed; all repairs purchased from Hollis & Co., Little Rock, and Shreveport, La.*

Miss., Natchez—Caddo-DeSoto Oil Co., Inc.,

In writing to parties mentioned in this department it will be of advantage to all concerned if the Manufacturers Record is mentioned.

Mansfield Rd., Shreveport, La., reported to erect cotton-seed oil mill.

Tex., Abilene—Anderson, Clayton Company of Houston reported let contract to J. H. Horn & Sons, Abilene, to erect \$350,000 cotton-oil mill; brick, concrete and steel; company wires: "Abilene Cotton Oil Co.'s steel seed house, 90,320 ft., steel hull house, 60x150 ft.; Muskogee Iron Works, Muskogee, Okla., Contrs.; reinforced, concrete and brick mill building, 40x370 ft., R. J. Cummins, Engr., Houston; J. R. Horn & Sons, Contrs., Abilene; H. W. Caldwell & Son, 1700 S. Western Ave., Chicago, Ill., elevating and conveying machinery; Carver Cotton Gin Co., East Bridgewater, Mass., linting, hulling and separating machinery; French Oil Mch. Co., Piqua, Ohio, press room equipment; Bauer Bros., Springfield, Ohio, seed cleaning and meal grinding machinery; all to be electrically operated; power supplied by West Texas Utilities Co."

Drainage, Dredging and Irrigation

Ark., Paragould—Board of Directors of St. Francis Drainage Dist. of Clay and Greene Counties receiving bids for proposed system of ditches in subsidiary drainage district No. 20; excavating 55 mi. open ditches, about 2,000,000 cu. yds.; estimated cost \$150,000.

Ark., Texarkana—Board of Commissioners McKinney Bayou Drainage District, Miller County, receives bids June 25 for construction of outlet drainage ditch. (See Machinery Wanted—Drainage.)

Fla., Fort Pierce—Col. J. M. Braxton, Const. Engr., completing surveys and soon invite bids for navigable waterways to be constructed from upper St. Johns river to the Indian river, estimated cost \$750,000; work will probably be completed within two yrs., forming connecting link in Coastal Waterway System from Miami to Jacksonville and diverting flood waters of the St. Johns river into Indian river.

Fla., Jacksonville—The Bayshore Co., 32 W. Forsyth St., let contract to The Foundation Co., 120 Liberty St., New York City, for approximately 1,021,590 cu. yds. embankment, which will be thrown up by hydraulic dredges, 184,531 sq. yds. shell base and 184,531 sq. yds. treated surface pavement; work in connection with bridge construction.

La., Vinton—Gravity Drainage Dist. No. 2 plans work in Calcasieu Parish, widening and opening all drainage canals and lowering main canal 8 ft. below mean water level; main channel will extend from Calcasieu ship channel below Ged oil field up to south side Vinton. See Financial News—Bond Issues Proposed.

Tex., Beaumont—Spindle Top Drainage Co., capital \$15,000, incorporated; J. Cooke Wilson, 318 Wiess Bldg.

Tex., Point Isabel — Sees Miscellaneous Construction.

Electric Light and Power

Large sums are being expended for electric light and power work in connection with Land Development operations. Details will be found under that classification.

Ala., Florence—U. S. Engineers Office receives bids July 20 for switching equipment, etc., for Wilson Dam. (See Machinery Wanted—Transformers, etc.)

Ala., Thomasville—Alabama Power Co., Birmingham, reported acquired Thomasville electric light plant.

Ark.-Tex., Texarkana — City and J. E. Bryan reported interested in extension of white way system.

Fla., Inverness—City granted 30-year franchise to Florida Power & Light Co., Miami; company acquired present light system owned by Inverness Power Co.

Fla., New Port Richey—City granted 30-yr. franchise to Gulf Utilities Co.

Fla., Palm Beach—Central Station Equipment Co. low bidder for street lighting.*

Fla., New Smyrna—City will install 3 miles white way system on Canal St. Address City Commrs.

Fla., West Palm Beach—See Sewer Construction.

Ga., Athens — Georgia Railway & Power Co., Preston Arkwright, Pres., Atlanta, reported to extend power lines into Athens from Commerce.

Ga., Columbus—Columbus Electric & Power

Co. applied to Georgia Public Service Comm., Atlanta, for permission to issue \$2,000,000 3 yr. 5% gold coupon bonds; proceeds to be used in financing South Georgia Power Co., a subsidiary company, and for acquisition of land and erecting transmission lines.

Ky., Nortonville—Kentucky Electric Power Co. will sell \$1,100,000 first mortgage gold bonds, series A, 6% for power development under way.

La., Oak Grove—C. D. Anderson, Leplant, Ark., will probably acquire light and water plant.

Miss., Starkville—City considering installation of white way. Address The Mayor.

N. C., Asheville—City will grant franchise to Southern Public Utilities Co.; on July 1 Southern Power Co., both Charlotte; will take over light and power system.

N. C., Durham—The Seeley Co., Inc., 101 Building, Atlanta, Ga., has contract for furnishing and installing all power house and tunnel piping at Duke University. (See Machinery Wanted—Pipe (Brass); Pipe Fittings (Brass).)

N. C., Highlands—Town granted 50-year permit by Federal Power Comsn., Washington, D. C., for proposed power project on Cullasagee River in Macon County, to include small concrete arch dam, water conduit, surge tank, power house.

N. C., Kannapolis—Thomas E. Murray, Inc., 55 Duane St., New York, advises: "All contracts have been awarded for building and equipping power plant for Cannon Manufacturing Co., Kannapolis; Brown-Harry Co., Gastonia, have contract for foundation and superstructure; Virginia Bridge & Iron Co., Roanoke, Va., structural steel contracts; all plant equipment purchased direct from manufacturers, erected under supervision of Thomas E. Murray, Inc., Engrs.; plant will have three 620 h. p. Walsh & Weldner boilers, equipped with Murray water wall furnace; maximum capacity of 181,800 lbs. steam pressure per hour; a 2500-kw. General Electric back-pressure type turbine will act as pressure-reducing valve and furnish part of power to mills; plant will be in operation by Nov. 1."

N. C., Lenoir—A. A. Shuford and F. M. Laxton applied to Federal Power Comsn., Washington, D. C., for permit for power development on Wilson Creek, within Boone National Forest; construct arch dam approximately 80 ft. high to create reservoir about ¼ mile in length; steel penstock will extend from dam to power house located on creek; 2640 h. p.

Okla., Cushing—City plans installing white way. See Financial News—Bond Issues Proposed.

Tenn., Chattanooga — Tennessee Electric Power Co.'s budget for 1926 includes expenditure of \$7,000,000; work includes in addition to installation of new equipment at Hales Bar and Nashville purchase of meters, poles, transformers, extensive improvements and betterments to street railway departments in Chattanooga and Nashville, including purchase of double truck light-weight trolley cars.

Tenn., Harriman—See Water Works.

Tenn., Knoxville—Nolichucky Power Co., capital \$10,000, incorporated; Charles M. Seymour, Box 16.

Tenn., Nashville—Southern Cities Power Co., Provident Bldg., Chattanooga, reported granted 20 yr. franchise; erect transmission lines in Rhea and Roane Counties.

Texas—A. E. Fittin & Co., 165 Broadway, New York, reported interested in merger of 24 public utilities in Kansas, Michigan, Missouri, Arkansas and Texas into Inland Power and Light Corp.; properties are now under control of company, grouped under Commonwealth Light and Power Co. and Interstate Electric Corp.; properties in merger serve 213 communities with population exceeding 215,000; for several years companies have been under management of General Engineering and Management Corp.

Tex., Bronte—West Texas Utilities Co., 72 W. Adams St., Chicago, Ill., reported acquired light and power plant; erect transmission line from Winters to Bronte.

Tex., Martindale—Texas Public Utilities Co., 71 Broadway, New York, reported planning rebuilding of distribution system and tie-lines of Martindale, Maxwell and Staples.

Tex., Seguin—City will probably let contract for 400 h.p. Busch-Selzer oil engine exciter and Western Electric generator installed at lighting plant; cost \$30,000.

Va., Norton—Old Dominion Power Co., A. O. Umstead, Mgr., operating in Wise and Russell Counties, reported merged with Electric Transmission Co. of Virginia, operating in Lee County; issue \$2,650,000 bonds.*

W. Va., Spencer—Spencer Water & Ice Co. will install 45 ornamental lights, 600 candle power, mounted on steel poles; Virginian Electric, Inc., Michigan Ave., Charleston, W. Va., Equipment Contrs.

Flour, Feed and Meal Mills

Ky., Van Arsdall—Van Arsdall Milling Co., incorporated; R. S. Van Arsdall, Ormond Van Arsdall.

Md., Baltimore—Daniel Rider, Inc., 853 Greenmount Ave., capital \$25,000, incorporated; Wm. W. Rider.

Md., Baltimore—Flour Mills of America, Inc., 607 Calvert Bldg., incorporated; John E. C. Haslam.

Mo., St. Louis—Marshall Hall Milling Co., Merchants Exchange, increased capital, \$150,000 to \$400,000.

Tex., Houston—Saint & Co., Inc., 902 Dowling St., contemplate erecting 50x100-ft. addition to feed and grain plant; daily output 3000 bags.

Foundry and Machine Plants

Ala., Mobile—Machine Shop—The Mobile Cylinder Grinding Co., Inc., capital \$10,000, chartered; Alfred Payne, 63 N. Monterey St.

Mo., Joplin—Mining Machinery—Butchart Manufacturing Co., capital \$100,000, incorporated; W. A. Butchart, T. M. Maxwell.

Okla., Marmac—Southern Rig & Reel Co., incorporated; D. C. Ryan K. K. Ayers.

Okla., Oklahoma City—P. & H. Valve Co., capital \$15,000 incorporated; Sam Pledger, 822 W. 19th St.

Tenn., Chattanooga — The Casey-Hedges Co., Vulcan St., reported plans building new plant for manufacture of steel barrels; capacity about 5000 daily.*

Tex., Houston—Oil Well Supplies—Hughes Tool Co., Howard Hughes, Jr., Pres., 300 Hughes St., let contract to Houston Structural Steel Co., Yale and Center Sts., for new steel factory building, 240x40-ft., also for addition to present building; estimated cost \$12,000.*

W. Va., Huntington—Huntington Stove & Foundry Co., Dan A. Mossman, Pres., 20th and 1st Aves., reported will make improvements to plant, increasing output.

Gas and Oil Enterprises

Ark., El Dorado—Kettle Creek Refinery, W. B. Hassett, Pres., will rebuild refinery, burned at loss of \$50,000.

Ark., Rogers—Cordell Oil Co. reported acquired 6½-acre site for distributing plant. Company advises: "Improvements include one warehouse 24x30 ft., galvanized iron sides on concrete piers, two 12,000 storage tanks and four 4000 lubricating storage tanks on concrete piers; construction work done with company's forces; tanks furnished by Columbian Steel Tank Co., 1601 W. 12th St., Kansas City, Mo.; other materials by local companies; plan is for handling petroleum products for distribution."

Ark., Smackover—Simms Petroleum Co., 120 Broadway, New York, reported has 40-acre site; erect \$1,000,000 refinery; 3000 bbls. capacity.

Fla., Tampa—Seaboard Oil Co., Third St. and E. Broadway, will erect \$12,000 shed on Fourteenth St.

La., Bastrop—Louisiana Power Co., Pine Bluff, Ark., granted franchise; construct line from Bastrop to Collinston and Oak Ridge.*

La., Mer Rouge—Texas-Louisiana Carbon & Producing Co. granted natural-gas franchise; construct 2-in. pipe line from Bastrop to Mer Rouge.

Mo., Kansas City—Contract Sales Corp., capital \$10,000, incorporated; B. M. Francis, Agnes N. Coston.

Okla., Blackwell—McMullen-Ward Oil Corp., capital \$100,000, incorporated; C. H. McMullen, C. A. Ward.

Okla., Cleveland—Pawnee Gas & Power Co., capital \$125,000, incorporated; Charles A. Holden, Gleason C. McDonald.

Okla., Oklahoma City — Dryer, Clark & Dryer Oil Co., capital \$25,000, incorporated; J. L. Dryer, 1732 W. 16th St.

Okla., Okmulgee—X-Ray Oil Co., capital \$100,000, incorporated; C. B. Bunte, 100 S. Miami St.

Texas—Hope Engineering & Supply Co., Mt. Vernon, Ohio, advises: "Have contract with Northern Texas Utilities Co. covering construction of pipe line from near Shamrock, Wheeler County, Texas, to vicinity of Wichita Falls; line expected to supply number of towns en route, including Welling-

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ton, Clarendon, Childress, Acme, Quanah, Chillicothe, Vernon and others, in addition to supplying industrial gas to large number of plants in Wichita County, including numerous refineries; have contract for complete construction, furnishing all material and labor for approximately 100 miles of 16-in., 100 miles of 12-in. and 150 miles or more of smaller pipe lines; there are no sub-contractors and greater part of materials already provided."

Tex., Amarillo—Donald Oil Co., capital \$120,000, incorporated; Charles Donald, A. M. Jones.

Tex., Amarillo—Blackwater Royalty Co., capital \$40,000, incorporated; W. R. Whalen, B. L. Kingsland.

Tex., Amarillo—Riverside Oil Co., capital \$100,000, incorporated; John G. Wayland, W. S. Birge.

Tex., Amarillo—Golden Eagle Oil Corp., capital \$200,000, incorporated; W. H. Rhodes, R. C. Patterson.

Tex., Beaumont—New Beaumont Oil Co., capital \$30,000, incorporated; Thos. J. Baten, 606 San Jacinto Life Bldg.

Tex., Dallas—Weatherford Oil Co., capital \$10,000, incorporated; L. J. Brian, O. P. Coffin.

Tex., Fort Worth—Salt Works Oil Co., incorporated; J. M. Reynolds, 1601 Sunset St.

Tex., Houston—Vivian Petroleum Corp., incorporated; L. B. Hancock, 416 Pierce St.

Tex., Lockhart—Magnolia Petroleum Co., Dallas, reports that deal subject to approval of stockholders of United North and South Oil Co., whereby company has purchased certain leases and properties from North and South Oil Co. in Luling field has been consummated.*

Tex., Stephenville—Tri-Cities Gas Co., capital \$25,000, incorporated; C. O. Moore, T. E. Patton.

Tex., Wichita Falls—Security Drilling Co., capital \$30,000, incorporated; B. J. Shaw, 1705 Huff Ave.

Tex., Wichita Falls—Caprock Gas Co., incorporated; Ben Yeager, W. C. Caldwell.

W. Va., Moundsville—Red Gate Oil Co., incorporated; W. F. Burgess, A. F. Francis.

Ice and Cold-Storage Plants

Ala., Tuscaloosa—Pure Process Ice Making Co., constructing additional unit to plant; double capacity.

Fla., Palm Beach—General Public Utilities Co., 438 S. W. 17th Ave., acquired the Royal Palm Ice Co., Riverside Ice & Cold Co. of Miami, the Causeway Ice Co. of Miami Beach, Bender Ice Co. of W. Palm Beach, the Coconut Grove & Homestead Ice Companies; will probably increase facilities; F. C. Landers, Gen. Mgr. of Florida Division.

Miss., Meridian—Southern Ice Corp. formed by merger of Meridian's three ice plants, Kaye-Rephaher Ice Manufacturing plants and the Tuttle Ice Manufacturing plant; will operate for the present; transfer of properties involves approximately \$500,000.

Okla., Blackwell—Bartlett Produce Co., H. K. Bartlett, Mgr., will soon begin construction of cold storage plant and produce house on South A St., 1 story, 30x110 ft.

Tex., Martindale—Texas Public Utilities Co., 71 Broadway, New York, will rebuild and enlarge ice plant; daily capacity from 20 to 25 tons.

Tex., Port Arthur—Gulf States Utility Co., 101 Houston Ave. plans building \$15,000 addition to plant.

Tex., San Angelo—West Texas Ice Co. has permit for brick and concrete ice station on N. Chadbourne St.

Tex., San Antonio—See Miscellaneous Enterprises.

Land Development

Ala., Florence—Lauderdale Land Co., H. L. Reeder, Chrm. Greens Committee, will develop 110 acres for 18-hole golf course, clubhouse, caretaker's house, garage, dressing rooms, swimming pool; expend \$23,000; N. H. Hurd, Archt., care Strickler Lumber Co.; R. E. Mead, Constr. Engr.; P. Williams, Landscape Archt.*

Ark., Fayetteville—P. R. Green will develop 400 acres for fruit and poultry and subdivision; erect dwellings, chicken houses and garages. (See Machinery Wanted—Septic Tanks; Fench.)

Fla., Bronson—L. L. and A. C. Johns acquired 70 acres; develop subdivision.

Fla., Chipley—Acreage Investment Corp., Phil C. Jacks, Sec., 22 Julia St., Jackson-

ville, acquired 6400 acres in Holmes County, advises Sundor Farms development work will be handled under supervision of I. W. Cohen; materials, equipment, engineers and contractors, will probably be local firms; will subdivide tract into 40-acre farms, 20 acres of which will be cleared of underbrush and plowed; each farm accessible by roads; will erect home on each farm.

Fla., Fort Lauderdale—City, B. J. Horne, Mgr., plans expending \$175,000 for city parks and golf course.

Fla., Key West—Caribbean Co., Inc., 221 W. 105th St., New York City, J. B. Taylor, Sec., will develop 45,000 acres on Isle of Pines near here; engineered and reported and waiting to complete contracts and underwriting of bonds; have 60,000,000 ft. of hardwood and mahogany and developing same in small way, but planning large general development; erect hotel and casino and golf and mineral springs, bathing beaches, also docks, electric light plant, water works; later an industrial town; architect and contractor not selected; will probably expend \$5,000,000.*

Fla., Kissimmee—Howard E. MacDonald, Mgr. Kissimmee Country Club, reported to improve club and grounds; concrete bulkhead yacht basin on Lake Tohopekaliga, 600 ft. long by 80 ft. wide; construct circular lake 50 ft. in diam.; ornamental fence; concrete entrances; paved roads; probably enlarge clubhouse.

Fla., Miami—Tatum's Ocean View Estates, Inc., 200 E. Flagler St., incorporated; A. Mitchell Palmer, B. R. Tatum; develop subdivision on Snapper Creek.

Fla., Orlando—Florida Golden Acres Corp., capital \$750,000, incorporated; J. N. Moorehead, R. C. Lasbury.

Fla., Orlando—H. A. Coggin Investment Co., capital \$50,000, incorporated; H. A. Coggin, 8 Wall St.

Fla., Parish—Tamiami Corp., Henry E. Hedberg, V. C. Conway Bldg., Chicago, Ill., advises are developing Manatee River Farms; at present time are clearing land, building roads and doing drainage work; road building engineering under supervision of Mr. Ralph, Engr. for Manatee County; building construction under supervision of Gus Posner & Co., Chicago, Ill.; will sell developed farms consisting of part cleared land and percentage left for truck gardening, each tract improved with 6-room house with well, fenced and drained.

Fla., St. Petersburg—Park Board, Wilbur F. Smith, Chmn., reported to begin \$250,000 program water front park from Coffee Bayou to Port of St. Petersburg; George W. Leavitt, Landscape Engr., 18 E. 41st St., New York.

Fla., Sarasota—City votes July 20 on \$175,000 bonds to complete golf course and erect clubhouse buildings; J. R. Brumby, Jr., Commr. of Public Works.

Fla., Stuart—Arthur Brisbane will develop demonstration farm in Martin County; farm will comprise 20 acres of 10,000 acre tract; R. M. Dowdell will be manager under supervision of General Agricultural Agent McBride of Seaboard Air Line Railway.

Fla., Tampa—Ajax Land Co. incorporated; Douglas McMichael, 416 Tampa St.; develop tract in 10 acre farms.

Fla., Tarpon Springs—Tarpasco Florida Co., A. R. Fulton, Sec., incorporated with \$50,000 capital; plans developing tourist camp on 105 acres.

Ga., Macon—John R. Pattee, Professional Bldg., Miami, Fla., acquired 6000 acres in Houston County; will develop.

Ky., Louisville—Big Spring Land Co. increased capital, \$25,000 to \$100,000.

La., New Orleans—Miss-Orleans Land Co., capital \$50,000, incorporated; Charles Roth, 338 Carondelet St.; develop 1000 acre orchard.

La., New Orleans—Commerce Investments, Inc., capital \$50,000, incorporated; George Steele, Hibernia Bank Bldg.

La., New Orleans—Castle Hall, Inc., capital \$75,000, incorporated; S. L. Jacobs, 906 Gravier St.

La., Shreveport—Quapaw Land Co., capital \$20,000, incorporated; S. L. Herold, Ardis Bldg.

Md., Baltimore—Patrick J. Gary, 3919 Edmondson Ave., reported acquired tract in Gwynns Falls Park for development.

Md., Rosedale—Rosedale Realty Co., Inc., capital \$20,000, incorporated; Frederick W. Beling, H. Girard Mueller.

Md., Waldorf—Washington Gardens, Inc., Richard C. Marshall, Jr., Pres., Munsey Bldg., Washington, D. C., acquired 8400 acres; develop for farming.

Miss., Jackson—I. E. Boyette, care of Ed-

wards Hotel, reported acquired tract on Clinton Blvd.; will develop.

Mo., Kansas City—Broadway Realty Co. incorporated; Barat A. Guignon, 107 W. Armour St.

Mo., Kansas City—Southern Building Co., capital \$10,000, incorporated; J. G. Hughes, 4524 Mill Creek Blvd.

Mo., St. Louis—Initial Realty Co., capital \$10,000, incorporated; L. F. Dohle, R. Lisker.

Mo., St. Louis—Cyrus Crane Wilmore Organization, Inc., Boatmen's Bank Bldg., is developing Kingshighway Hills, 100 acres; concrete streets, granite curbing, sewers, water, gas, electricity all to be installed under supervision of Board of Public Service; Pittman Co., 615 Chesnut St., Surveyors and Engrs.

Mo., St. Louis—Dollar Investment Co., incorporated; Joseph H. Grand, 1212 Central National Bank Bldg.

Mo., Willow Springs—Willow Springs Land & Investment Co., incorporated; H. Littrell, H. F. Piatt.

N. C., Aberdeen—Broadacres Orchard Co. incorporated; Frank Page, B. B. Saunders.

N. C., Asheville—Harge Realty Co., capital \$100,000, incorporated; I. Goldstein, 18 Arlington St.

N. C., Greensboro—L. B. Leftwich, Leftwich Arcade, acquired 34 acres land; develop Overlook subdivision.

Okla., Oklahoma City—L. L. Klein, 838 W. 34th St., will develop 45-acre subdivision on 23d St.

Okla., Tulsa—See Sewer Construction.

Okla., Tulsa—Osage Country Club, capital \$25,000, incorporated; J. E. Barber, 424 N. Tacoma St.

S. C., Aiken—A. G. Miles Holding Co., Inc., reported acquired 45,000 acres; establish clubhouse and resort, install water, sewers, electric lights, roads, golf course, covered swimming pool.

S. C., Aiken—Henry P. Dyches reported has option on 4000 acres; will develop.

S. C., Charleston—John C. Avery, Boston, Mass., reported acquired tract in Christ Church Parish; will develop.

S. C., Spartanburg—Tryon Development Co. increased capital, \$20,000 to \$500,000.

Tenn., Chattanooga—Dr. Joe W. Johnson and W. J. Arnette will develop 20-acre subdivision east of Missionary Ridge; install water, sewers, streets, electric lights, gas.

Tenn., Nashville—Church Street Realty Co., 222 Fourth Ave. N., capital \$11,000, incorporated; W. P. Cooper.

Tex., Amarillo—Lamb Land Co., E. C. Lamb, Pres., will develop 2385 acre subdivision; install piping for gas, streets, etc.*

Tex., Beaumont—W. K. Marr, Mgr. Camp Grande, El Paso, reported interested in establishing tourist camps.

Tex., Galveston—City, Victor Dantin, Park Commr., will develop 70-acre park on Clear Creek.

Tex., Galveston—E. H. Ivey, 2124 B St., reported to develop subdivision between Thirty-seventh and Thirty-eighth Sts.

Tex., Galveston—Cedar Lawn Co., incorporated; W. L. Moody 3d, 2028 D St.; develop subdivision; construct streets.*

Tex., Harlingen—City plans park improvements. See Financial News—Bond Issues Proposed.

Tex., Houston—Nelms Investment Co., Keystone Bldg., owners of Washington Terrace, will develop 20-acre subdivision.

Tex., Houston—Federal Trust Co., Prairie and San Jacinto Sts., are developing Country Club District of Park Place; plan installing natural-gas supply system.

Tex., Houston—San Jacinto Trust Co., A. R. Dearborn, Jr., Mgr., Real Estate Dept., acquired 45 acres adjacent to Broadacres; will develop; install water, sewers, roads, electric lights, gas.

Tex., Houston—E. H. Fleming, 1931 Sunset Blvd., will develop 45 acres near Southampton and Edgemont; will subdivide.

Tex., Houston—William States Jacobs, Jr., Gulf Bldg., Houston; P. H. Wood, Victoria, acquired 184 acres on Park Place; develop subdivision.

Tex., San Antonio—J. F. Armstrong and J. H. Houze will develop 146 acres.

Tex., San Antonio—Alamo Chapter, Daughters of the Republic of Texas, reported interested in development of Memorial Park.

Tex., San Antonio—City, John W. Tobin, Mayor, reported plans improvements to land on San Antonio river.

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Tex., San Benito—Mont Meta Cemetery Co., capital \$20,000, incorporated; F. M. Davis, J. Scott Brown.

Tex., San Antonio—Alamo Land & Development Co., capital \$20,000, incorporated; A. A. Seeligson, 115 E. Ashby St.

Va., Richmond—F. H. Garber's Sons, Fulton, Richmond, are developing East Laws subdivision.

Va., Richmond—Windsor Beach, Inc., 303 E. Franklin St., Thomas H. Berry, Sales Mgr., is developing 50-acre subdivision; expend \$75,000 to \$100,000; build concrete streets, sidewalks, water, light; Allan J. Saville, Inc., Archt., Electric Bldg., Richmond. (See Machinery Wanted—Street Work, etc.)

Va., Virginia Beach—Laskin-Siegel Syndicate and affiliated Van Patten Virginia Beach interests, 812 Bankers Trust Bldg., Norfolk, and Virginia Beach, are developing Ocean Shores subdivision; have construction plans by John M. Baldwin, C. E., Brooke Ave., Norfolk.

W. Va., Huntington—Ridgeway Cemetery Assn., T. E. Agee, Mgr., 413 Ninth St., acquired additional 30 acres for cemetery development; construct lake.

Lumber Enterprises

Ark., Huntsville—W. G. Barron Post Co., W. G. Barron, Propr., Fayetteville, Ark., moving mills from Combs, Ark.; will install sawmill, daily output 15,000 ft. hardwood lumber. (See Machinery Wanted—Sawmill Machinery.)

Ark., Jacksonville—S. E. Thompson & Son, Box 158, rebuild burned plant, erect mill building 28x34 ft., with 24x40 ft. extension for boiler room, office, tool house, oil house and shop, frame concrete foundation, corrugated iron roof; install 2 engines and sawmill; part furnished by Geo. D. Kelly Lumber Co.; rest on hand.

Fla., Key West—See Land Development.

Ga., Brunswick—American Forest Products Company, W. F. Bancker, Pres., 292 Madison Ave., New York, reported establish creosoting plant on Back River.

Ga., Hawkinsville—Crane-Hanes Lumber Co., Inc., organized; Joe Crane, Pres.; A. W. Waller, Sec., will take over the Miller Lumber Co.

Miss., Belmont—Belmont Lumber Co., M. P. Haynes, has leased plant from M. P. Haynes Lumber Co., daily output 50,000 ft. at planer and 12,000 at sawmill; will install one matcher to size lumber. (See Machinery Wanted—Lumber.)

Miss., Gulfport—Service Lumber Co., capital \$20,000, incorporated; C. P. Windsor, S. M. Windsor.

Miss., Jackson—Standard Lumber & Manufacturing Co., capital \$100,000, incorporated; J. A. Roell, 645 N. Congress St.

Mo., Kansas City—Mill Work—The Osgood Company, incorporated, Harry T. Osgood, 2017 Central St.

N. C., Charlotte—Gilchrist-Campbell Co., capital \$50,000, incorporated; W. T. Campbell, 8 Caldwell Ave.

N. C., Wilmington—Coastal Lumber Co., incorporated, capital \$25,000; Emma G. Hammer, Frances G. Tolan.

Tenn., Brownsville—Brownsville Lumber Co., capital \$25,000, incorporated; R. N. Chesnut, M. L. Vester.

Tenn., Jackson—Jackson Saw Mill Co., 120 Meadow St., capital \$40,000, incorporated; J. H. Talbott, R. E. Platter.

Tenn., Memphis—Boxes—Anderson-Tully Co., C. J. Tully, Pres., N. Second St., reported will erect and equip complete band sawmill and veneer plant; estimated cost \$250,000 to \$300,000.

Tex., Greenville—Hicks Lumber Co. of Greenville, capital \$10,000, incorporated; H. R. Reggie, H. T. Roberts.

Tex., Dalhart—The Big Jo Lumber Co. of Wichita, Kan., acquired the Cummings campground; probably establish lumber yard.

Metal-Working Plants

Md., Baltimore—The Non-Explosive Receptacle Co., capital \$100,000, incorporated; Sidney S. Well, 4800 Brightwood Ave.; manufacture cans, containers, etc.

Tex., Houston—Etie Sheet Metal Works, 1510 Washington St., let contract at \$11,000 to James M. L. West, 3002 N. Main St., to erect 2-story reinforced concrete hollow tile and wood joist, 50x106 ft. building at 1509 Washington St.; for manufacturing and office.

Tex., San Antonio—Metal Products—Ardiff

& La Noue, Inc., chartered; R. J. Ardiff, W. E. La Noue.

Mining

Ala., Gadsden—Gadsden Sand & Gravel Company, incorporated, capital \$50,000; Charles O. Duncan, O. R. Hood; purchased 100-acre tract; will develop.

Fla., Crystal River—Crystal River Rock Co. will rebuild plant capacity about 4000 tons per 10 hrs.; wants to correspond with designers of crushing and screening plants. (See Machinery Wanted—Crushing and Screening Plants.)

Mo., Kansas City—S. & S. Mining Company, incorporated, capital \$30,000; H. J. Schmidt, 1018 Wyandotte St.

Tex., Sweetwater—See Miscellaneous Enterprises.

Va., Rose Hill—Rose Hill Mineral Corp., Henry Smith, Pres.; R. Claude Graham, Sec.

Miscellaneous Construction

Fla., Clearwater—Seawall, etc.—C. E. Burleson, Pinellas County Engr., let contract to Ward Latham Co. for 1713 ft. concrete seawall and to Tampa Sand & Shell Co., Scott and Lozano Sts., Tampa, 75,000 cu. yds. dredged embankment; estimated cost \$92,000.

Fla., Clearwater—Incinerator—Chas. F. Mason, City Mgr., receives bids June 21 for 20-ton capacity incinerator. (See Machinery Wanted—Incinerator.)

Fla., Fort Pierce—See Drainage, Dredging and Irrigation.

Fla., Hollywood—Harbor—\$2,000,000 bonds voted for city's share for building port at Bay Mabel; Chas. H. Windham, City Mgr.

Fla., Howey—S. K. Mare, Pres. Town Council, advises: "Have permit for sand beach on Little Lake Harris, but actual construction is not contemplated immediately; it is planned, however, for the near future."

Fla., Jacksonville—Bulkheads, etc.—See Drainage, Dredging and Irrigation.

Fla., Orlando—City, J. A. Stinson, Clerk, will construct additional incinerator; \$50,000 available. (See Financial News—Bond Issues Proposed.)

Fla., Palm Beach—Capt. Gus Jordahn, Pres. Gus Baths, Inc., reported having plans for development bathing beach, casino, pier and amusement park; has 830-ft. strip of beach, work to start immediately; expenditure will extend over several years; John Coffin, Kelsey City, Asst. Mgr.

Fla., Sebring—Incinerator—City let contract to Nye Odorless Crematory Co., Macon, Ga., at \$19,000 for municipal incinerator, 25-ton capacity.

Fla., Sebring—Seawall—See Roads, Streets, Paving.

Fla., Tampa—Terminals, etc.—Port Planning Group, L. L. Carr, Chmn., 306 S. Edison St., and associates are completing plans for modern port terminal on east side of the Estuary, comprising two slips, each 250 ft. wide and 750 ft. long, 2-story transfer warehouse between slips, 600,000 sq. ft., cold and dry storage space of 160,000 ft. will be provided and other terminal facilities; approximate cost \$7,000,000; acquired 30 acre site; municipal belt line will be extended to the property; Moores & Dunford, Inc., Engrs.

Ky., Henderson—Swimming Pool—E. C. Farmer, Pres. Country Club, will erect \$25,000 swimming pool, concrete.

La., New Orleans—Dock Board Engrs. preparing plans and specifications for 2-story dock shed at Poydras St. landing, replacing burned structure. Address Dock Comsn.

Tex., Dallas—Archway—Realty Development Corp., Fidelity Union Bldg., let contract to the Georgia Marble Co. of Nelson, Ga., to construct entrance portals to Restland Memorial Park and administrative offices; estimated cost \$60,000.

Tex., Galveston—Incinerator—City received low bid from Johnson Incinerator Co. of Alvin, at \$43,625 for 80-ton capacity incinerator; brick, hollow tile, reinforced concrete, fireproof; C. A. Holt, Jr., Engr.

Tex., Harlingen—Incinerator—City will install incinerator plant. (See Financial News—Bond Issues Proposed.)

Tex., Point Isabel—Harbor—Major J. L. Schley, U. S. Dist. Engineer, Galveston, soon begin work on harbor project.

W. Va., Bluefield—Mausoleum—Monte Vista Park Cemetery Assn., Bank Bldg., have completed plans for building to be known as Monte Vista Memorial Mausoleum, 58x67x21 ft., containing 300 crypts and chapel 17x37 ft. in dimensions; interior to be finished in

white marble, bronze gates, art glass windows leaded into bronze frames, exterior limestone; plans and construction by Mr. Sievert of Bloomville, Ohio, and Mahood & VanDusen, L. & C. Bldg., of Bluefield.

Miscellaneous Enterprises

Ala., Montgomery—Hugger Brothers Construction Co., Shepherd Bldg., has contract for modern laundry at the Alabama Masonic Home; install machinery, etc.

Ark., Little Rock—Art Craft Decorators, Inc., capital \$10,000, chartered; Jack L. Brown, O. H. Nixon.

Ark., Hot Springs—Coca Cola Co. of Hot Springs, Van M. & J. S. J. Lyell, Proprs., Camden, Ark., let contract to George H. Burden, 4422 1 St., Little Rock, for \$75,000 plant on 322 Market St., 2 story and basement, 50x120 ft., concrete, steel and brick, steel window frames, concrete roof, foundation provides for 6-story structure; install equipment, bottling machinery, washing machines, filling and capping equipment, etc.; Witt, Seibert & Halsey, Archts., Texarkana.

Ark., Paragould—Shirts—Elders Mfg. Co., St. Louis, reported establish branch factory.

Fla., Avon Park—C. C. Rolfe, Sec., Chamber of Commerce, advises, municipal recreation park to be developed on Skippers Point includes community house, auditorium, bath house, dock and general bathing and boating facilities.

Fla., Bartow—W. G. Campbell interested in establishing citric acid plant; utilize wild lemons.

Fla., Hollywood—C. B. Wolfe Shoe Manufacturing Co. begun construction of \$100,000 factory in Highland Park, covering 15,000 sq. ft. ground; manufacture shoes, daily output 2000 prs.

Fla., Lake City—Julian B. McCurry, Sec., Chamber of Commerce, interested in the establishment of creamery.

Fla., Miami—Mechanics Supply Co. organized by Thomas B. Finlay, 519 Miami Bank & Trust Bldg.; mechanical, automotive, shop equipment and supply lines; representative.

Fla., Miami—Woodward Mantel Co., 1724 N. W. 23rd Ave., plans doubling capacity of present plant; manufacture one-piece reinforced fireproof fronts.

Fla., Orlando—City, J. A. Stinson, Clerk, will install police and fire alarm signal system; \$70,000 available. (See Financial News—Bond Issues Proposed.)

Fla., St. Petersburg—Homosassa Hardware Co., organized by H. S. Dill, Jacksonville, will occupy building to be erected by J. C. Strickler & Son.

Fla., Wildwood—Pine Park Poultry Farm, W. G. Squires, Pres., will install 12,000 egg Buckeye Mammoth incubator; equipment purchased.

Ga., Athens—Norris Hardware Co., capital \$20,000, incorporated; R. A. Norris, E. L. Norris.

Ky., Covington—Dixie Highway Silver Fox Ranch, capital \$60,000, incorporated; John A. Edmonds, Leroy Edmonds.

Ky., Lexington—Medicine—International Products Company, A. G. Payne, Gen. Mgr., reported will erect \$75,000 plant.

Ky., Lexington—Fresh Maid Bakery, 607 S. Broadway, building new plant, concrete, brick and steel, concrete and hardwood floors, composition roof; estimated cost \$15,000.

La., Lake Charles—The Massasoit Manufacturing Co. of Fall River, Mass., reported establish \$200,000 plant to manufacture cellulose from rice hulls; have option on site on Calcasieu river; Massasoit Mfg. Co. wires: "Contracts not yet awarded."

La., Lake Charles—Solar Terra Scope, Inc., capital \$20,000, incorporated; Frank A. Gallagher, Lake Charles; Daniel W. Bailey, Shreveport; manufacture solar terra scope.

La., Minden—Fire Equipment—City voted \$30,000 bonds for fire fighting equipment. Address The Mayor.

La., New Orleans—Well-Built Homes, Inc., capital \$20,000, chartered; B. S. Nelson, 7319 Panola St.

Md., Baltimore—Athletic Underwear—The Regatta Manufacturing Co., Chas. L. Wolfe, Pres., 2447 W. Baltimore St., acquired 6-story building cor. Lombard and Eutaw Sts.; will remodel and occupy by Aug.; increasing capacity; additional factories maintained at Crisfield and Stanley, Md.

Md., Baltimore—Marmat Construction Co., 5015 Reisterstown Rd., incorporated, capital \$25,000; Tony Weisman.

Md., Baltimore—Sil-Cher Cap Co., 872 W. Fayette St., incorporated, capital \$25,000; Harry Silverman.

In writing to parties mentioned in this department it will be of advantage to all concerned if the Manufacturers Record is mentioned.

Md., Baltimore—Gas Meters—Maryland Meter Works, E. S. Dickey, Mgr., Holiday and Guilford Ave., having plans made for rebuilding portion of plant and addition; tentative plans call for 6-story, 80x200-ft. addition.

Md., Baltimore—Ward Baking Co., 413 S. Hanover St., main offices 367 Southern Blvd., New York City, reported will proceed with erection of \$1,000,000 bakery; 5-story, 140x-220 ft.; may soon let contract; C. B. Comstock, Archt. and Engr., 110 W. 40th St., New York.*

Md., Cumberland—Cumberland Tallow Co., Inc., Box 191, B. G. Martin, Sec., has plant for manufacture of tallow greases, fertilizer, etc.; Rapid Fat Melting Co., Phila., Pa., equipment contractors. (See Machinery Wanted—Hoof Puller; Gut Washers; Fertilizer Dryer; Grinder.)

Md., Cumberland—Queen City Dairy Co., Inc., reported let contract to Geo. F. Hazelwood for \$75,000 plant on S. Mechanic St., 2-story, 75x100-ft., fireproof; Macfarlane Plumbing & Heating Co. will furnish plumbing system; McCormick & Co., Archts., 121 S. Negley Ave., Pittsburgh, Pa.*

Md., Raspeburg—The Albin Hauling Co., capital \$10,000, incorporated; R. Edgar Tippet, Arthur P. Shanklin.

Md., Sparrows Point, Br. of Baltimore—Evergreen Hauling Co., capital \$10,000, incorporated; Derby A. Lynch, R. Edgar Tippet.

Miss., Grenada—Grenada Hospital increased capital, \$10,000 to \$40,000.

Mo., Cassville—Amusements—Roaring River, Inc., capital \$350,000, chartered; R. E. Burns, 4432 Mill Creek Rd., Kansas City.

Mo., Grant City—Grant City Park Corp., incorporated, Charles H. Mayer, Floyd Sprague.

Mo., Hillsboro—Jefferson Democrat Publishing Co., incorporated, Hubert J. Hoffner, Clyde Williams.

Mo., Kansas City—Modern Sign and Art Company, incorporated; H. H. Hall, 3311 Euclid Ave.

Mo., Kansas City—Modern Roof Company, incorporated; R. M. Weston, 8609 Missouri Ave.

Mo., Kansas City—Missouri Mule Amusement Co., capital \$10,000, incorporated; G. T. O'Maley, 4446 Oak St.

Mo., St. Joseph—Publishing—Retail Review Co., capital \$30,000, incorporated; Deane Wilde, St. Joseph; C. E. Corey, Omaha, Neb.

Mo., St. Louis—Schweig Studio, incorporated, capital \$12,000; Martin Schweig, 6181 Westminster St.

Mo., St. Louis—Christian Board of Publication, 2708 Pine St., has permit for \$95,000 publishing house at 2700 Pine St., 3 story, 35x131 ft. brick, concrete roof, heat from adjoining building; C. B. McCormack & Sons, Contr., 806 Columbia Bldg.; Aegerter & Bailey, Archts., Railway Exchange Bldg.

Mo., St. Louis—The Simplicity Oil Burner Co., incorporated; John M. Ferguson, 828 Clark St.

Mo., St. Louis—Fits-U-Cap Co., capital \$50,000, incorporated; Leo Epstein, 5375 Pershing St.

Mo., St. Louis—Douglass Printing Co., incorporated; L. A. Rawlings, 5083 Ridge St.

Mo., St. Louis—Perfumes, etc.—Beauty Specialties Co., capital \$10,000, incorporated; A. G. Wellmeyer, 2509 Bremen St.

Mo., St. Louis—American Navigation & Transport, Inc., chartered; T. D. Drury, 5621 Waterman St.

Mo., St. Louis—The St. Louis News Co., Inc., acquired site cor. Fourteenth and Morgan Sts., 72x142 ft., will erect 2 story, fireproof building; call for bids as soon as plans are completed; C. S. Krekan, local Mgr., supervise construction; estimated cost \$130,000.*

Mo., St. Louis—Loft Building—Preisler Realty Co., 706 Chestnut St., will erect 3 story, 77x135-ft. loft building, concrete and brick, terra cotta trim; begin construction about June 21.*

Mo., St. Louis—Cunningham Shoe Co., Inc., capital \$100,000, chartered; J. M. Cunningham, G. H. Beckman.

Mo., St. Louis—Star Dyeing & Cleaning Co., 2575 N. Grand St., increased capital, \$15,000 to \$50,000.

Mo., St. Louis—H. J. D. Battery Co., capital \$10,000, incorporated; H. J. Deckelman, W. Koenig; manufacture electric batteries.

Mo., Springfield—Publishers—The Moisture Guide Co., capital \$10,000, incorporated; C. T. Patterson, R. F. D. 4, Carthage Rd.; H. W. Young.

N. C., Charlotte—Nursery—The Howard-Hickory Co. acquired additional acreage and probably build addition to packing plant.

N. C., Greensboro—Tatum-Turner Transfer Co., capital \$100,000, incorporated; B. B. Tatum, 113 Depot St.

N. C., Winston-Salem—Twin-City Dry Cleaning Company, capital \$100,000, incorporated; V. R. Hodgkin, T. K. Knight.

Okla., Cushing—City will expend \$13,000 for fire truck and equipment. (See Financial News—Bond Issues Proposed.)

Okla., Norman—The Oklahoma Air Transport Co., capital \$10,000, incorporated; R. S. Graham, O. F. Muldrow.

Okla., Oklahoma City—R. E. Kennedy Drug Co., capital \$10,000, incorporated; Dean M. Stacy, Braniff Bldg.

Okla., Ponca City—Sanitary Swimming Pool Co., capital \$25,000, incorporated; A. L. Bogan, Charles F. Martin.

Okla., Southard—See Tex., Sweetwater.

Okla., Tulsa—Crystal White Laundry Co., 108 S. Cheyenne St., will erect 60x140 ft. plant; brick, concrete floor, tar and gravel roof; work to start in about 30 days; equipment furnished by Troy Machinery Co., and American Laundry Machinery Co. See Machinery Wanted—Twine; Paper; Scales.*

S. C., Beaufort—Sea Island Homes, capital \$200,000, incorporated; J. Sims, J. W. Exley, Jr.

S. C., Columbia—Mercantile—Carolina Wholesale Co., capital \$75,000, incorporated; A. L. Humphries, W. J. Roddey.

S. C., Columbia—Greenhouses—"Eison, Inc." chartered; D. W. Robinson, Palmetto Bldg.

S. C., Greenwood—Mercantile—Rose-Phillips Co., capital \$75,000, incorporated; John I. Rose, L. B. Adams.

S. C., Spartanburg—Carolina Electric Supply Co., capital \$50,000, incorporated; Henry T. Long, 218 W. First St., Charlotte.

Tenn., Chattanooga—Independent Glass Co., Edgar Hill, 814 Lindsay St., increased capital \$10,000 to \$20,000.

Tenn., Hollywood, Br. of Memphis—Purity Chemical Co., capital \$10,000, incorporated; P. C. Whitehead, L. L. Odom.

Tenn., Nashville—Troy Laundry, 1700 State St., will erect \$30,000 brick and concrete laundry building.

Tenn., Nashville—Toilet Articles—C. H. S. Corporation, W. T. Coles, Pres., 342 Public Square, increased capital to \$1,000,000.

Tenn., Paris—First National Building Co., capital \$80,000, incorporated; James A. Rison, J. F. Aden.

Tex., Alvin—Texas Preserving Co., capital \$50,000, incorporated; E. D. Altemis, M. S. Drake.

Tex., Beaumont—W. C. Kurth has permit for \$10,500 creamery.

Tex., Brenham—Hicks Rubber Co., incorporated; T. D. and E. A. Hicks.

Tex., Dallas—Plains Building Co., incorporated; Wm. J. Lang, 4803 Swiss St.

Tex., Dallas—Couzens Woodstone Manufacturing Co., capital \$25,000, incorporated; O. Mowers, A. J. Couzens.

Tex., Dallas—Southwest Baking Co. increased capital, \$50,000 to \$150,000.

Tex., Fort Worth—Grocers—James McCord Co., 1625 Main St., increased capital \$125,000 to \$500,000.

Tex., Fort Worth—The Bunker Printing Products Corp., Sixth and Commerce Sts., capital \$1,000,000 (merging Bunker Printing & Book Co. and Bunker Paper Box Co.), begun construction of building intended to house combined plants, 200x400 ft., equipped with most modern machinery; Butcher & Sweeney, Contrs., 806 Taylor St., will furnish all materials and attend to all details; Austin Co. of Cleveland, Ohio, Archt. (See Machinery Wanted—Box Making Machinery; Printing Equipment.)*

Tex., Houston—Harbor Towing & Transportation Co., capital \$45,000, incorporated; G. H. Roberts, Pres., 2605 Yale St.

Tex., McAllen—Union Plumbing Co., Inc., capital \$20,000, chartered; C. W. Richmond, B. R. Richmond.

Tex., McAllen—Valley Morning Telegram, Frisby Bldg., E. A. Moreno, Managing Editor, has building, will install newspaper plant; equipment includes new linotype, Webb press, new fonts type, furniture, etc.; Mergenthaler Linotype Co., Machinery contractors.

Tex., San Antonio—San Antonio Ice Rink Co., (formerly Crystal Palace Ice Rink Co.)

516 W. Myrtle St., will construct addition; 1-story, hollow tile and stucco; install additional ice machinery; Geo. Willis, Archt., Builders Exchange Bldg.*

Tex., Sweetwater—United States Gypsum Co., Chicago, Ill., wires: "Extensive additions being made at three Southern plants: Plasterco, Va.; Southard, Okla., and Sweetwater, Tex.; at Plasterco, additional facilities go into operation June 1, which means 65 per cent increase in capacity of board production, part being sheet rock, wall board, remainder two new products, dash as fire-resistive sheathing board and rock lath; extensions being added to both ends of board plant in 1925, kilns being enlarged, new paper storage and storage for manufactured products being provided. Engineer and Contrs. here as at other points are of the engineering dept. of the United States Gypsum Co. At Southland, following equipment being installed: New calcining kettle, making four at this plant, 150-h.p. boiler, improved driers, gyratory crusher, swing hammer mill and other grinding equipment; present board warehouse being enlarged to permit storage of new board products and new crushing mill and new grinding mill being built. At Sweetwater, boardmaking machinery being improved at rate of 300,000 sq. ft. daily of fireproof gypsum wall board and sheathing and lath, new calcining kettle being installed, manufacture gypsite plasters, making sixth kettle in calcining plant, new rotary drier also being installed, new bag products warehouse being built and extensive additions being put into main mill and power plant; all equipment standard, modernized by U. S. Gypsum Engrs."

Tex., Texas City—T. R. Rogers Forwarding Co., capital \$25,000, incorporated; W. R. Zanes, T. R. Rogers.

Tex., Waxahachie—Hicks Rubber Co. of Waxahachie, capital \$10,000, incorporated; D. T. and E. A. Hicks.

Tex., Whitesboro—D. R. Huffaker, Collinsville, editor of Collinsville Times and Pottsville Times, acquired Whitesboro News-Record; will edit.

Va., Galax—Galax Country Club, capital \$25,000, incorporated; Tayro C. Vaughan, Pres.; M. R. Crabbill, Sec.

Va., Norfolk—Queen Elizabeth Hotel, capital \$250,000, incorporated; R. T. Lipscombe, Pres.; R. D. Holland, Sec.

Va., Norfolk—Soaps, etc.—Simonds Manufacturing Co., capital \$15,000, incorporated; J. E. Henley, 124 W. 17th St.

Va., Norfolk—Peanut Roasting Corp., capital \$25,000, incorporated; Henry Hunsberger, 112 E 29th St.

Va., Plasterco—See Tex., Sweetwater.

Va., Portsmouth—Plumbing—N. V. Pearson, Inc., chartered; N. V. Pearson, 1214 High St.

W. Va., Fairmont—Westinghouse Electric & Manufacturing Co., Pittsburgh, Pa., will establish branch of service department in the Cooke-ice Bldg., Cleveland Ave.; about 8000 ft. floor space, occupied by electrical repair machinery, replacement parts and stock.

W. Va., Huntington—City Commrs. contemplate installing new fire alarm system.*

W. Va., Huntington—Dr. J. S. Jones, Pythian Bldg., and associates, of Charleston, reported to remove plant from Charleston, has building Eighth and First Sts., will remodel; purchase new machinery; manufacture rubber sick-room supplies.

W. Va., Huntington—Huntington Creamery Co., C. W. Littleton, Mgr., Third Ave., plans erection new 2-story, brick plant on Eighth Ave.

W. Va., Weston—Louie Glass Company, Louie Wohinc, Pres., erecting 140x275 ft. plant, install 2 tanks; Albert Breternitz, Clarksburg, Archt.; day labor.

W. Va., Wheeling—Nolte Baking Co., capital \$50,000, incorporated; Walter J. Nolte, 3718 Chapline St.

W. Va., Wheeling—Compressed Gas Manufacturing Co., capital \$50,000, incorporated; Louis Niebergall, 4400 Water St.

Motor Bus Lines and Terminals

Fla., Daytona Beach—City, B. F. Brass, Mayor, will grant franchise to operate buses in city (25,000 population).*

Ky., Ashland—Black and White Cab Co., incorporated; Gay N. Friel, V. A. Dinkle.

Ky., Pineville—Safety Coach Transit Co. increased capital, \$40,000 to \$125,000.

La., New Orleans—Higgins Motor Bus Co., Inc., capital \$25,000, chartered; Louis Higgins, 1740 Bordeaux St.

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N. C., Raleigh—Safety Transit Line of Raleigh reported acquired the Rocky Mount, Nashville and Spring Hope bus line; will operate.

Motor Cars, Garages, Filling Stations

Fla., Fort Lauderdale—L. O. Smith has permit for construction of garage.

Fla., Miami—Fulton Motor Corp., A. L. Jones, Pres., has 5-acre site and is erecting motor truck factory at N. W. 71st St. and 32d Ave.; will erect second unit 100x200 ft.

Fla., Ocala—Ocala Auto & Garage Co., Magnolia and Jefferson Sts., let contract to H. C. Marshall at \$32,000 for 1-story, 147x110 ft. building, structural steel frames, masonry walls, stucco, Spanish tile roof, concrete floor; install equipment; Frederick T. Uzell, Archt. (See Machinery Wanted—Garage Equipment.)*

Fla., Palatka—J. F. Blake, 923 Lemon St., will erect 3-story garage, 68x100 ft.; brick and steel, steel sash and frame, concrete floors; install electric elevator. (See Mch. Wanted—Steel; Steel Sash; Elevator.)

Fla., St. Petersburg—Harry E. DeGroot erecting filling station, cor. Lakeview Ave. and 12th St.; stucco finish; Cook & Foster, Contrs.

Fla., Tampa—Sam Elkins, Mgr., Plant Park Garage, reported will erect \$42,500 garage building, 106 N. Brevard Ave. (lately noted burned), 90x175-ft., concrete, fireproof, equip for repair work, washing, body and fender work, welding, etc.; to be completed within 60 days.*

Fla., Tampa—Morrison Avenue Garages Co., 317 Tribune Bldg., let contract to Nix & McDonald Co., Knight & Wall Bldg., for 102x250 ft., 1 story, steel frame, corrugated iron and stucco garage; Felton Davis, 202 Eagle St., Archt.; H. A. Spies Construction Engr., 1315 S. Howard St. (See Machinery Wanted—Sheet Metal; Steel.)

La., Monroe—Southern Tire Company, capital \$10,000, incorporated; C. L. Kellogg, 1411 S. Grand St.

La., Monroe—Motor Supply Co., 123 N. Third St., let contract for \$25,000 building on Washington St., 60x130 ft., 1 story, brick.

La., New Orleans—The Pan-American Petroleum & Transport Co., 944 St. Charles St., reported has purchased and leased sites for 11 oil station, ornamental Spanish type, total investment about \$1,000,000.

La., New Orleans—General Automobile Co., 418 Carondelet St., receives low bid from G. E. and E. E. Reimann, Canal-Commercial Bank Bldg., at \$30,000 for alterations and additional story to garage.*

La., New Orleans—Automobile Accessories—Clay W. Beckner, Inc., capital \$80,000, chartered; Clay W. Beckner, care of Bienville Hotel.

Md., Baltimore—Baltimore Motor Terminals, Inc., Earle Williams, Treas., Hearst Tower Bldg., reported will erect 10-story ramp garage at St. Paul and Center Sts.; C. Howard Crane and Kenneth Franzheim, Archts., both 345 Madison Ave., New York.

Md., Baltimore—Milestone System, Inc., 1723 N. Charles St., acquired garage and adjoining building at 242 S. Broadway; will remodel garage, increasing capacity to about 60 automobiles, and erect office; cost of improvements \$30,000; operates drive-it-yourself stations at Light and Lombard, 1723 N. Charles St. and 2402 Pennsylvania Ave.

Miss., Aberdeen—Gulf Refining Co. will erect drive-in filling station cor. Maple and Commerce Sts.

Miss., Moss Point—Texas Oil Co., of Houston, Tex., will establish oil and gasoline distributing station on Moss Point-Pascagoula Highway.

Mo., Kansas City—Peerless Car & Equipment Co., incorporated; Stanley F. Beasley, 2514 W. 46th St.

Mo., St. Louis—Automobile Owners Service Association, incorporated; Harry Newman, 820 Merchants Laclede Bldg.

Mo., St. Louis—Hawkins Petroleum Products Co., incorporated; Harry H. Hawkins, 5736 Page Blvd.

Mo., St. Louis—MacDonald Company, incorporated, capital \$10,000; M. G. Clymer, 5510 Waterman St.

Mo., St. Louis—Seven-Wal Garage Company, incorporated, capital \$200,000; Wm. King, 510a N. Channing St.

Mo., St. Louis—Star Square Auto Supply Co., 1129 Locust St., leased building, 1127-29 Locust St.; will remodel, install elevators, etc.

Mo., St. Louis—Sargent Auto Supply Co., incorporated; W. H. and W. E. Sargent.

Mo., Kansas City—J. W. Midgley, 1815 Central St., has permit for garage.

N. C., Charlotte—C. L. and Odom Alexander, 219 S. Tryon St., and H. M. Wade, S. Graham St., joint owners, have permit for \$47,000 garage at Mint and Bland Sts., 100x186 ft., brick; the Southeastern Construction Co., Contrs.

N. C., Greensboro—J. R. Thomas let contract to J. R. Truitt, 1236 Randolph Ave., for \$20,000 2 story, brick and tile, composition roof garage on Fobis St.

N. C., Mooresville—Wallace Motor Co., capital \$100,000, incorporated; W. N. Wallace, H. Y. Mott.

Okla., Tulsa—Frank Casebeer, 520 E. 18th St., reported will erect \$200,000 auto hotel building on Main St.; 5-story, ramps from first to fifth floor; arrange for roof garden on top of structure.

Tenn., Chattanooga—Chattanooga Garage, capital \$50,000, incorporated; A. C. Foust, 420 Pear St.

Tenn., Dyersburg—Board-Williams Motor Co., Inc., capital \$25,000 chartered; Frank Board, J. F. Williams.

Tenn., Memphis—H. H. Roth, Pres. of H. H. Roth Co., 1035 Union St., reported acquired 100x300-ft. site at Union and Monroe Sts.; will erect \$20,000 automobile service station, construction to begin about Sept. 1.

Tenn., Memphis—Richardson Motor Sales Co., capital \$50,000, incorporated; Geo. C. Wallace, Homer C. Campbell.

Tex., Austin—W. L. Fallwell, 1700 E. Seventh St., has permit for drive-in filling station at Sixth and Onuila Sts.

Tex., El Paso—El Paso Oldsmobile Co., Inc., chartered; W. T. Gillespie, J. C. Hunter.

Tex., Houston—The Reo Motor Co. of Lansing, Mich., leased 2-story building at McKinney and Caroline Sts.; establish factory branch.

Tex., Houston—Stodder Motor Co. increased capital, \$15,000 to \$70,000.

Tex., Houston—E. L. & F. V. Bender, 617 N. San Jacinto St., let contract to A. L. Etie, 1137 Alston St., at \$11,500 for 1 story, concrete garage, composition roof; John W. Dehnert, Archt., 501 Kress Bldg.

Tex., Laredo—Laredo Knight-Overland Co., capital \$10,000, incorporated; R. B. Lee; W. A. River.

Tex., San Antonio—S. X. Callahan 419 N. Flores St., received low bid from J. C. Ferguson 116 Cincinnati Ave., at \$22,615 for service station adjoining present building; West & Gutzelt, 425 Main St., for plumbing; Wright Bros., 405 Main Ave., for wiring; Jno. Marriott, Archt., Frost Bldg.

Va., Richmond—Allen J. Saville, Inc., Virginia Ry. & Power Bldg., begun construction of two garage buildings on Cary Street Rd. for Mrs. A. R. Walker; estimated cost \$20,000.

Va., St. Charles—Auto Supply Co. let contract to J. S. Bearman of Big Stone Gap for 18x30-ft. service station, brick, concrete floor, asbestos roof; materials all furnished by Appalachian Fuel & Lumber Co. and equipment furnished by Wayne Pump & Supply Co.*

Florida—Atlantic Coast Line R. R. Co., J. E. Willoughby, Ch. Engr., Wilmington, N. C., reported let contract to J. A. Kreis & Son, 307 Burwell Bldg., Knoxville, Tenn., to build yards at Jacksonville and Sanford; Jacksonville, 400 cars capacity, cost \$140,000; Sanford, 300 cars capacity, cost \$125,000.

Tenn., Memphis—Illinois Central R. R. Co., A. F. Blaess, Ch. Engr., Chicago, Ill., advises regarding improvements in mechanical facilities: "Extend 12 stalls of present engine house. Ten stalls are now 67 ft. long, other two 82 ft. 6 in. long. Intend to make them all 125 ft. long. Propose to lengthen 2 engine pits and install a 100-ft. turntable. Plans covering improvements not yet completed."

Railway Shops and Terminals

Florida—Atlantic Coast Line R. R. Co., J. E. Willoughby, Ch. Engr., Wilmington, N. C., reported let contract to Roberts & Schaefer Co., 400 N. Michigan Ave., Chicago, Ill., for construction of three 500-ton, 3-track, reinforced concrete locomotive coaling stations at St. Petersburg, Wilcox Junction and High Springs; also order placed with Roberts & Schaefer Co. for two electric cinder plants for installation at St. Petersburg and Palatka.*

Fla., St. Petersburg—Public Utilities Dept. having plans made for new street car barns and paint shop to be erected on Nineteenth St.; soon let contract.

Tex., Wichita Falls—Fort Worth & Denver City R. R. Co., R. C. Gowdy, Ch. Engr., Denver, Col., reported receiving bids for construction of roundhouse, 1-story, 5-stall, brick, reinforced concrete; Wyatt C. Frederick, Archt., 1005 First Natl. Bank Bldg., Fort Worth.

Ga., Savannah—Central of Georgia Rwy. Co., C. K. Lawrence, Chief Engr., reported let contract to the Artley Co., 504 E. Bay St., for construction of new roundhouse, containing 18 stalls, 94 ft. long, reinforced concrete, creosoted wood block flooring; also enlarge present stalls; factory type windows and ventilating system; estimated cost \$100,000.

Fla., Hialeah—Florida East Coast Ry. Co., H. N. Rodenbaugh, V.-P., St. Augustine, advises: "Are constructing new freight yard and engine terminal, yard about 3½ mi. long, contains usual receiving, classification, departure, repair and storage division; shop buildings comprise 12-stall roundhouse, 100-ft. turntable, wash and locker buildings, machine shop, power plant, store and oil house, sand house, fuel oil tanks, water-treating plant, yard office, wood mill, blacksmith shop, lumber storage shed and car department office; roundhouse to be reinforced concrete; other buildings will have structural steel frames with brick walls; fireproof construction; steel sash, cement tile or built-up roof on concrete slabs; footings rest on native coral rock; total cost of project \$2,600,000; the American Engineering and Construction Co., 258 S. W. River Drive, Miami, making fill; J. D. Moore & Co., 111 E. Forsyth St., Jacksonville, contract for track laying; the Foundation Co., 120 Liberty St., New York City, constructing shop buildings; plans prepared by Engineering Dept.; major items of equipment and material will be furnished by following: The American Bridge Co. for three-point support continuous turntable; Chicago Bridge & Iron Co., 71 Broadway, New York, for 55,000-bbl. capacity fuel oil storage tank; Hammel Oil Burner Co., 640 N. Main St., Los Angeles, Cal., for oil burners; Casey-Hedges Co., Chattanooga, Tenn., will furnish boilers in power plant; National Boiler Washing Co., Railway Exchange Bldg., Chicago, furnish boiler wash-out system; stack for power plant erected by William Kellogg Co.; oil house equipped with Bowser pumps; and in roundhouse Johns-Manville smoke jacks and Whiting drop table will be used."

Roads, Streets and Paving

Large sums are being expended for roads, streets and paving in connection with Land Development operations. Details will be found under that classification.

Proposed Construction

Alabama—State Highway Comn., Montgomery, receives bids July 14 for 3 roads: Mobile County, 10.84 mi. grading and draining road between Theodore and Grand Bay, 79,344 cu. yd. excavation, 31,906 lbs. reinforcing steel in culverts; also 180-ft. concrete bridges; Henry County, 13.35 mi. sand-clay, between Abbeville and bridge over Chattahoochee River near Fort Gaines, Ga., 148,100 cu. yd. excavation, 31,373 lbs. reinforcing steel; 700-ft. creosoted bridges; Tallapoosa County, 8.63 mi. road, between Jackson's Gap and Camp Hill, 111,300 cu. yd. excavation and borrow, 25,671 lbs. reinforcing steel in culverts; 35-ft. concrete bridges; plans on file and from W. B. McCalla, State Highway Engr.

Ala., Auburn—Town, Dr. C. S. Barbrough Mayor, plans paving about 5 blocks on Gay St. with concrete; estimated cost \$22,700; 3 blocks on College St.; estimated cost \$15,000.

Ala., Gadsden—City plans expending \$44,000 for paving in East Gadsden. Address City Clk.

Ala., Opelika—City plans 7 additional blocks street paving. Address City Clk.

Ark., Conway—City Commrs., A. J. Meaders, Chmn. Improvement Dist., No. 12, may receive bids within 60 days for 50 blocks 24-ft. concrete paving or stone base with asphalt top; also curb and gutter; Parke Engineering Co. Pine Bluff.*

Ark., Hot Springs—Garland County Commissioners plan 11 mi. road from south city

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limits of Hot Springs to Garland County line, through Hot Spring County and Clark County to Arkadelphia.

D. C., Washington—Dist. Commrs. receive bids June 24 to resurface and renew various streets, roads and avenues; also to pave with cement concrete or alternate various streets; plans at Room 427 Dist. Bldg.

Fla., Apalachicola—City, F. B. Wakefield, Treas., receives bids July 19 for 43,000 sq. yd. concrete street paving; plans from City Engr.*

Fla., Dunnellon—City plans paving various streets with 6-in. limestone base, 1½-in. asphalt surface treatment; cost \$242,860. Address City Clk. See Financial News—Bond Issues Proposed.*

Fla., Dunnellon—Town, T. K. North, Clk., receives bids July 8 for 28,470 sq. yd. sidewalk paving, including necessary clearing and grading; plans on file and from E. V. Camp and Associates Inc., Consit. Supvg. and Testing Engrs., Moreland and DeKalb Aves., Atlanta, Ga.; Bartow, and Peninsular Casualty Bldg., Jacksonville, Fla.

Fla., Palm Beach—City Comm. plans widening Dixie Highway to 54 ft. through city; T. B. Henry, City Engr.

Fla., Palm Beach—Town, L. H. Southwick, Engr., received bids from Greynolds & Monroe, Inc., Box 111, E. F. Powers Construction Co., Keystone Construction Co., East Beach Land Co., Johnson, Drake & Piper, Inc., for 1000 cu. yd. excavation, 16,800 lin. ft. curb and gutter, 75,600 sq. ft. sidewalks, 20,000 sq. yd. paving and 42,000 sq. yd. resurfacing.*

Fla., Sebring—City, A. M. Wolfe, Clk., receives bids June 29 to grade, pave, drain, etc., Lake View Drive and Lake Jackson Blvd., 122,774 sq. yd. concrete, brick or bituminous pavements with curb, gutter and appurtenances, 51,808 cu. yd. excavation, 57,114 cu. yd. dredged fill; 0,000 lbs. reinforcing steel; also to construct reinforced concrete arch bridge across south arm of Lake Jackson, 245 ft. reinforced concrete piling for seawall, 6 to 30 ft., or 13,140 ft. reinforced concrete piling for seawall, 6 to 12 ft.; plans on file and from E. M. Clawson, City Engr.

Fla., St. Petersburg—City, Ernest Kitchen, Director of Public Works, plans paving Bayshore Blvd., Central Ave. to Fifth Ave. South.

Fla., Tampa—Hillsborough County Commrs., W. A. Dickenson, Clk., plans road in Temple Terrace, to Pasco County line, and two 56-ft. bridges over Hillsborough River, and one 40-ft. bridge in Temple Terrace Dist.

Fla., Tampa—Hillsborough County Commrs., W. E. Dickenson, Clk., receives bids June 25 to build 20 highways in Plant City Special Road and Bridge Dist., including Mt. Enon, Taylor, Cone, Midway.

Fla., Vero Beach—Indian River-Osceola County Special Road and Bridge Dist. receives bids July 8 for 52 mi. road from Vero Beach to Kissimmee River. Address Road Engr., Carter.

Georgia—State Highway Dept., East Point, receives bids June 25 for 3 roads and 2 bridges: Effingham County, 6 mi. grading, Jenks Bridge to Chatham County line, Route No. 26; Toombs County, 1.5 mi. grading south of Oak Park; Emanuel County, 16.5 mi. grading and sand-calc surfacing, Route No. 1 Swainsboro to Jefferson County line; Bulloch County, concrete bridge over Mill Creek, Federal Route No. 80, including grading of approaches; Jenkins County, 1280 ft. timber bridge across Ogeechee River swamp, between Millen and Emmalene, State Route No. 23.

Ga., Atlanta—City, Walter A. Sims, Mayor, plans 21,059 sq. yd. paving, costing \$44,353.

Ga., Augusta—Board of Commerce, Lindsay S. Arrington, Pres., interested in building Augusta-Lincolnton-Elberton Highway.

Ga., Brunswick—State Highway Dept., East Point, Ga., receives bids June 25 for 10,513 mi. graded road, Brunswick-Jacksonville road, Camden and Glynn Counties from Spring Bluff towards Brunswick; Cont. No. 1, 90,104 cu. yd. excavation and borrow, 9166 lbs. reinforcing steel; No. 2, 24,932 cu. yd. excavation and borrow; plans on file; John N. Holder, Chmn.

Ga., Columbus—State Highway Dept., East Point, receives bids June 25 to pave Hamilton Road from city limits to Harris County line.

Ga., Columbus—City, J. Homer Dimon, Mayor, plans paving Bay, Tenth and Thirteenth Sts.; Henry B. Crawford, Mgr.

Ga., Columbus—State Highway Dept., East

Point, receives bids June 29 for road and 2 bridges: 5.8 mi. Columbus-West Point road, River road, from Hamilton Ave. at Bibb City, to point near Seven Mile post; 31,416 cu. yds. excavation, 3994 lin. ft. concrete curb and gutter; alternate bids on 51,569 sq. yds. plain cement concrete pavement stone aggregate, slag aggregate or gravel aggregate, 5255 sq. yds. reinforced cement concrete pavement, stone, slag or gravel aggregate, 51,569 sq. yds. plain cement concrete base, 5255 sq. yds. reinforced cement concrete base, 56,824 sq. yds. bituminous concrete surface or sheet asphalt surface, 12,438 cu. yds. 8-in. compacted clay gravel, clay bound stone, slag macadam or lime rock base, 50,347 lin. ft. concrete curb; also for 2 concrete bridges over Bull and Randall Creeks, on Columbus-Buena Vista road, 146,382 lbs. reinforcing steel; plans on file and from C. L. Rhodes, County Engr.

Ga., Jonesboro—State Highway Dept., East Point, receives bids June 25 for 6.5 mi. road between Lovejoy and Jonesboro.

Ga., Newnan—City, A. W. Powers, Clk., receives bids June 30 for 45,000 sq. yd. paving, 22,000 lin. ft. curb and gutter, 18,000 cu. yd. excavation, with necessary drainage and appurtenances; plans on file and from E. V. Camp and Associates, Inc., Engrs., Peninsular Casualty Bldg., Jacksonville, Fla., and Moreland and DeKalb Aves., Atlanta, Ga.; R. O. Jones, Mayor.

Ga., Savannah—City, J. Ward Motte, Director of Public Works, plans resurfacing Louisville road with asphalt or cement on brick and cobblestone pavement, from West Broad St. to city limits; received low bid from Espy Paving & Construction Co. 6 E. Bay St., to pave Thirty-seventh St.; Reynolds to Waters; W. O'D. Rockwell, City Engr.

Ga., Trenton—State Highway Comm., East Point, plans oil surfacing 24 mi. road through Dade County.

Ga., Tybee—City plans paving Fifteenth and Sixteenth Sts. with gravel. Address City Clk.

Ga., Waycross—Ware County Commrs. plan road from point 9 miles from Manor to 17-mile post on Waycross and Southern Ry.

Kentucky—State Highway Comm., Frankfort, receives bids June 28 for 16 roads: Boyle County, 4.3 mi. bituminous macadam, waterbound macadam or surface treated macadam, Danville-Liberty road, Danville to Lincoln County line at Shelby City, 14,028 cu. yd. excavation and borrow, 22,742 lbs. reinforcing steel; Hardin County, 7.5 mi. grade and drain, Elizabethton-Leitchfield, from Old Stephenson to near Grayson County line, 83,987 cu. yd. excavation and borrow, 6775 lbs. reinforcing steel; Henry County, 7.8 mi. bank gravel or creek gravel, unrolled, or waterbound macadam, 79,548 cu. yd. excavation and borrow, 113,716 lbs. reinforcing steel; Laclede County, 4.1 mi. grade and drain, Hodgenville-Elizabethton, from Nolin Creek, Hodgenville, to point near Tonterville, 35,831 cu. yd. excavation and borrow, 45,000 lbs. reinforcing steel.

In Fulton County, 6.1 mi. river gravel or bank gravel, unrolled, or waterbound macadam surface, Fulton-Hickman, 13,000 cu. yd. excavation and borrow, Hopkins County, 3 mi. reinforced concrete, bituminous concrete or rock asphalt on concrete base, Madisonville-Earlinton, 10,733 cu. yd. excavation, 5066 lbs. reinforcing steel; 2.5 mi. bank gravel, unrolled, waterbound macadam or surface treated macadam, Earlinton-Mortons Gap, 5700 cu. yd. excavation and borrow; Livingston County, 9.6 mi. bank or river gravel, or waterbound macadam, Smithland-Marion road, Crittenden County line to 1 mi. west of Burna, 20,700 cu. yd. excavation and borrow; Knott-Letcher Counties, 6.5 mi. grade and drain, Hazard-Whitesburg, 114,655 cu. yd. excavation, 39,537 lbs. reinforcing steel; Knott County, 6.6 mi. grade and drain, Hazard-Whitesburg, from point near Perry County line to point near Copy, 95,296 cu. yd. excavation and borrow, 46,909 lbs. reinforcing steel.

In Magoffin County, 9.2 mi. grade and drain, Salyersville-West Liberty road, 199,610 cu. yd. excavation and borrow, 102,535 lbs. reinforcing steel; Morgan County, 6.9 mi. grade and drain, West Liberty-Salyersville road, 157,918 cu. yd. excavation and borrow, 185,036 lbs. reinforcing steel; Boyd County, 10.4 mi. bituminous macadam slag or limestone or reinforced concrete, Cannonsburg-Louisia, Midland Trail at Cannonsburg to Lawrence County line, 28,300 cu. yd. excavation and borrow; Grant County, 5.5 mi. reinforced concrete, bituminous concrete or rock asphalt on concrete base, Williamstown-Georgetown, 10,000 cu. yd. excavation and borrow; Whitley County, 5.8 mi. waterbound macadam, surface treated macadam or bituminous macadam, Williamsburg-Jellico, Sax-

ton to Tennessee State line at Jellico, 9200 cu. yd. excavation and borrow; Hart-Barren Counties, 1.6 mi. bituminous concrete or rock asphalt on crushed stone base, bituminous macadam or reinforced concrete, Cave City-Horse Cave, 7737 cu. yd. excavation and borrow; plans on file and from Dist. Engrs.; E. N. Todd, State Highway Engr.

Ky., Albany—Clinton County, C. L. Shelley, County Judge, plans building York Trail through county; cost \$50,000. See Financial News—Bond Issues Proposed.

Ky., Greenup—Greenup County Commrs. plan rebuilding 3 roads: Along Ohio River to South Portsmouth, Ky.; along Eastern Kentucky R. R. to Olive Hill, connecting with Midland Trail; along Tygart River. See Financial News—Bond Issues Proposed.*

Ky., Morehead—Rowan County contemplates highway from Fleming County line to Morehead, connecting Fleming County with Midland Trail and Eastern Kentucky; cost \$75,000. Address Fiscal Court. See Financial News—Bond Issues Proposed.

Ky., Owensboro—State Highway Comm., Frankfort, receives bids July 12 for 4.2 mi. surfacing Stanley-Henderson road, Stanley to Henderson County line; plans on file; E. N. Todd, State Highway Engr.

Ky., Sandy Hook—Road—Elliot County Fiscal Court, Allie Young, Judge, plans road to Sandy Hook. See Financial News—Bond Issues Proposed.

Maryland—State Roads Comm., 601 Garrett Bldg., Baltimore, received low bids for 5 roads: Montgomery County, 2.01 mi. concrete, end of macadam road from Damascus toward Laytonsville, M. J. Grove Lime Co., Lime Kiln, Md., \$35,897; Anne Arundel County, 2.97 mi. concrete along Defense Highway, from end of Cont. AA-42 to S. M. T. L. at Priest Bridge, H. S. Hutton Construction Corp., \$74,881; Prince George's County, .75 mi. gravel, Defense Highway to Randle Station, E. R. Jarboe, Mechanicsville, \$6855; Charles County, 3.76 mi. gravel Benville to Berry, H. S. Swan, La Plata, Md., \$31,538; 2.01 mi. gravel from point near Newburg toward Cooksey, J. A. Wilmer, La Plata, \$12,214.*

Md., Baltimore—Board of Awards receives bids June 29 for about ½ mi. Belair Road to Southern Ave.; Steuart Purcell, Highways Engr.; B. L. Crozier, Ch. Engr.; Howard W. Jackson, Mayor.

Md., Baltimore—Board of Awards receives bids June 22 to rebuild Belair Road from old city line near Erdman Ave. to new city limits; approximate cost \$300,000; Steuart Purcell, Highways Engr.; B. L. Crozier, Ch. Engr.; Howard W. Jackson, Mayor.

Md., Baltimore—Board of Awards received low bid from group composed of Frank Carroza, 5209 York Rd.; John J. Kelly, Jr., 210 Garrison Lane; James M. Gilliece, John C. Sprague and Frederick D. Carroza, Thornfield, Govans, at \$55,031, to pave Preston and Biddle St. and driveway of Loney Lane; from Frederick D. Carroza, at \$17,452, for concrete pavement on Cedargarden and Rokeby road.*

Md., Baltimore—Board of Awards receives bids June 23 to grade, curb and pave with 9950 sq. yds. sheet asphalt on concrete base street in Cont. No. 347; plans on file; Steuart Purcell, Highways Engr.; B. L. Crozier, Ch. Engr.; Howard W. Jackson, Mayor.

Md., Baltimore—State Roads Comm., 601 Garrett Bldg., receives bids June 22 for .54 mi. sheet asphalt along Belair road, from old city limits to Eutaw Heights Ave.; John N. Mackall, Chmn.; L. H. Steuart, Sec.

Md., Baltimore—Board of Awards receives bids soon to pave Homestead St., Ellerslie Ave. to Polk St., estimated cost \$49,500; Steuart Purcell, Highways Engr.; B. L. Crozier, Ch. Engr.; Howard W. Jackson, Mayor.

Miss., Collins—Covington County Commrs. plan receiving bids to complete Lone Star Route, from Brookhaven to Laurel. See Financial News—Bond Issues Proposed.

Miss., Columbus—City plans paving Military St. extended, Third Ave. to city limits, S. Eighth St., College to Ninth Ave. South. Address City Clk.

Miss., Ripley—Tippah County Board of Supvrs. receives bids July 15 to complete 8 mi. gravel road, between Ripley and New Albany, from end of gravel road north of New Albany to Blue Mountains, estimated cost \$90,000.

Mo., St. Louis—Board of Public Service received low bids to rebuild 5 streets: Watson, Pernod to city limits, Skrainka Construction Co., Security Bldg., \$32,838; Lee Ave., Taylor to Euclid, Webb-Boone Paving Co., 5103 Tyler St., \$45,062; Grand Blvd., Loughborough Ave. to Steins St., Webb-

In writing to parties mentioned in this department it will be of advantage to all concerned if the Manufacturers Record is mentioned.

Kunze Construction Co., 5927 Tyler St., \$14,514; Loughborough St., Field to Gravois, Eyerman Construction Co., 1216 S. Grand St., \$52,132; Bay St., Keokuk St. south, Eyerman Construction Co., \$4041.*

N. C., Winston-Salem—Board of Aldermen, W. H. Holcomb, Sec., plans surfacing with sheet asphalt Middelal St., Broad to Washington Park.

Oklahoma—State Highway Comm., Oklahoma City, may receive bids June 29 to pave 4 roads: Hughes County, road from Holdenville to Seminole County line; grade and drain road from Calvin to Stuart; from Stuart to Allen, via Atwood; 2 mi. Highway No. 12, from Canadian River Bridge to Okfuskee County line; E. B. Guthrey, Sec.

Oklahoma—State Highway Dept., Oklahoma City, receives bids June 29 for 18 roads and 3 bridges: Grady County, 10 mi. concrete slab, from Rush Springs north; Kay County, 1 1/4 mi. and 2 1/2 mi. south of Tonkawa; 12 mi. grading and structures, from Blackwell to Kansas State line; Rogers County, 8 mi. concrete slab south of Claremore; Pottawatomie County, 8 mi. concrete east of Shawnee; 12 mi. grading and structures west from Shawnee; Okmulgee County, 3 1/4 mi. road west of Morris; 3 1/4 mi. road east of Morris; Beckham County, 14 mi. grading and draining, road from Elk City to Sayre; Love County, 6 mi. grading and draining from Marietta south; 9 1/2 mi. from Marietta north; Stephens County, 8 mi. grading and draining from Comanche east; Haskell County, 8 mi. from Stigler east; LeFlore County, 10 mi. from Spiro west; Payne County, 2 mi. from Yale west; Osage County, 4 mi. west of Pawhuska; Kingfisher County, 2 mi. north of Dover south; Mayes County, 2 mi. north of Adair; Bryan County, near Durant; E. B. Guthrey, Sec.

Tenn., Covington—City plans paving several streets to Jeff Davis Highway; cost \$18,000 to \$20,000. Address City Clk. See Financial News—Bond Issues Proposed.

Tenn., Knoxville—City, Frederick A. Ault, Recorder, receives bids June 30 for 2500 sq. yd. concrete sidewalk, 5000 lin. ft. concrete curb and gutter; plans from City Engr.

Okla., Cushing—City plans 6 blocks pavement. Address City Clk.

Okla., Stillwater—Payne County Comms. plan building highway through Yale to connect with highway west of Oilton.

Okla., Tulsa—City Comm. plans paving roadway; cost \$60,000; votes bonds; Charles Schultz, City Engr.

S. C., Dillon—City plans streets and sidewalk paving, cost \$150,000. Address City Clk. See Financial News—Bond Issues Proposed.

Tex., Albany—Shackelford County, Richard Dyess, County Judge, plans 13.596 mi. grading and bridges, Highway No. 18, from intersection Highway No. 1-A to Jones County line; J. E. Pirie, County Engr.

Tex., Anderson—Grimes County, Ralph W. Berry, County Judge, receives bids July 1 for 8.8 mi. grading and bridges, State Highway No. 90, between Anderson and Navasota, from Anderson to Road Dist. No. 1 and 3 line, estimated cost \$73,700; O. A. Seward, Jr., County Engr.

Tex., Baird—Callahan County, Victor B. Gilbert, County Judge, plans .649 mi. grading and bridges, Highway No. 1-A, Jones County line to Taylor County line; J. E. Pirie, Engr., Albany.

Tex., Claremont—Kent County plans 40 mi. grading, bridges and gravel surfacing, Highway No. 84, through Kent County. Garza to Fisher County line, estimated cost \$400,000. Address County Comms.

Tex., Comanche—Comanche County, R. A. Luker, County Judge, plans 26.12 mi. grading and drainage structures, Highway No. 10, estimated cost \$129,500; Geo. E. Franklin, Div. Engr.

Tex., Dallas—City plans grading and gravel surfacing 3 mi. driveway around White Rock Lake; E. A. Kingsley, City Engr.

Tex., El Paso—El Paso County, E. B. McClintock, County Judge, receives bids July 12 to pave Depot Road from Davis St. to intersection Upper Valley Road at Main St. viaduct; concrete curbing, concrete double gutter, 11,865 sq. yd. bituminous pavement; alternate bids 12,881 sq. yd. concrete pavement; plans from County Engr.

Tex., El Paso—El Paso County, E. B. McClintock, County Judge, plans 2 roads: 7.35 mi. bituminous macadam surfacing, Highway No. 1, from point 7.8 mi. from city of El Paso to White's Spur, estimated cost \$231,600; 1.987 mi. bituminous macadam surface, Highway No. 1, \$73,800; alternate bids on 2-in. hot mix limestone rock asphalt, bitu-

lithic Amiesite, sheet asphalt and modified Topeka Mix; F. E. Wilson, County Engr.

Tex., Graham—Young County, W. F. Parsley, County Judge, plans 12.612 mi. grading and bridges, Highway No. 67, Graham to Stephens County line; Guy R. Johnston, County Engr.

Tex., Harlingen—City Comm. plans street paving and sidewalks. See Financial News—Bond Issues Proposed.

Tex., Houston—City, O. F. Holcombe, Mayor, received low bid from Gulf Bitulithic Co., 701 Foster Bldg., at \$116,610 to extend paving on Dowling St. from Elgin Ave. to Southmore.

Tex., Huntsville—Walker County, A. T. McKinney, Jr., County Judge, receives bids July 9 for 1.061 mi. grading and small drainage structures for approach to proposed bridge across Harmon Creek; also 125-ft. steel truss bridge across Harmon Creek, concrete floor, 54-ft. crescented timber trestle approach on each end; plans from D. K. Caldwell, County Engr., and from State Highway Dept., Austin.

Tex., Laredo—Webb County, A. Winslow, County Judge, plans 10.78 mi. bituminous macadam, Highway No. 12-A, east from Laredo to Aguilares underpass, estimated cost \$215,000; T. E. Huffman, County Engr.

Tex., Lubbock—State Highway Dept., Hal Moseley, Chmn., Austin, receives bids June 29 for 14.9 mi. grading and bridges, Highway No. 7, Lubbock County, from Lubbock townsite to Slaton; plans on file and from B. K. Garrett, Res. Engr.*

Tex., Quanah—Hardeman County, A. Y. Welch, County Judge, receives bids soon for 7.767 mi. grading and bridges, Highway No. 5, estimated cost \$28,815; John B. Nabors, County Engr.

Tex., Rio Grande—Starr County Comms. plan 16 mi. paved highway across county; Pat Devine, County Engr., Pharr.

Tex., Uvalde—State Highway Dept., Hal Moseley, Chmn., Austin, receives bids June 29 to resurface with gravel 23,252 mi. State Highway No. 3, Uvalde County; plans on file and from Mack B. Hodges, Res. Engr.; A. C. Love, Highway Engr.

Tex., Waxahachie—Ellis County, H. R. Stovall, County Judge, plans 1.05 mi. paving, Highway No. 14, between Ferris and Dallas County line, estimated cost \$34,947; W. A. Spalding, County Engr.

Virginia—State Highway Comm., H. G. Shirley, Chmn., Richmond, received low bids for 5 roads and 2 bridges: Dickinson County, 1.09 mi. bituminous macadam, Route 114, near Clintwood, W. H. Meadows, Coeburn, \$58,790; Prince William County, 3.2 mi. bituminous macadam, Route 211, including bridge over Cannon Creek, Rhodes & Walters, Culpeper, \$88,620; Greensville County, 2.09 mi. concrete, Route 12, through streets of Emporia, Ford & Harvey, Lynchburg, \$77,549; Nottaway County, 1.8 mi. concrete from east to west corporate limits of Crewe, Southern Construction Co., Petersburg, \$45,865; Wise County, 1.5 mi. bituminous macadam surfacing, Route 10, W. H. Meadows, \$26,943; bridge over Stony Creek, 1 1/2 mi. south of Dinwiddie Courthouse, on Richmond-North Carolina road, Hankins & Collins, 1410 W. Clay St., Richmond, \$16,974.*

Va., Portsmouth—Norfolk County Comm. plans rebuilding 3 1/2 mi. Great Bridge road, between Fentress and Great Bridge, approximate cost \$20,000; R. B. Preston, County Engr.

Va., Warsaw—State Highway Comm., H. G. Shirley, Chmn., Richmond, receives bids June 29 for 3.89 mi. grading and drainage in Richmond County, 103,260 cu. yd. excavation; also bridge over Carters Creek, 8380 lbs. reinforcing steel; plans on file.

West Virginia—State Road Comm., Charleston, receives bids June 29 to grade and drain 7 roads and 2 bridges: Fayette County, 3.5 mi. Beckwith-Cotton Hill Station Road; Summers County, 3 mi. Lowell-Big Bend Tunnel Road; Putnam County, .6 mi. at Red House; Rumer Bridge, concrete deck girder, one 50-ft. and two 30-ft. spans, substructure and superstructure; Marshall County, 3.5 mi. cement concrete Denver-Wetzel County line; Wetzel County, 2 mi. cement concrete, Marshall County line-Littleton; Lewis County, 10 mi. from Weston south; Taylor County, 7 mi. Pruntytown-Marion County line; Randolph County, Mill Creek Bridge, 90-ft. span, steel pony truss, concrete substructure; separate bids for substructure and superstructure; plans on file and from Div. Engr.; E. B. Carskadon, Sec.

W. Va., Lewisburg—State Road Comm., Charleston, receives bids June 22 to surface treat with cold tar application 2 roads in

Greenbrier County; 6.5 mi. Crawley-Clintonville; 4 mi. Wilson-Richlands; plans on file; E. B. Carskadon, Sec.

W. Va., Pineville—Wyoming County Comms. plan road building. See Financial News—Bond Issues Proposed.

W. Va., Morgantown—Monongalia County Court, W. L. Parks, Pres., receives bids July 6 to improve 2 roads in Clinton Dist.: 1.8 mi. grading and hard surfacing Miller Hill-Kelley Lane road; about 3 mi. Evansville pike, from Morgan-Clinton Dist. line to vicinity of Ringold; plans from Clerk or A. J. Bartell, County Road Engr.

Contracts Awarded

Ala., Monroeville—State Highway Comm., Montgomery, let contract to E. P. Toulmin, Toulminville, Mobile, to surface 7 1/2 mi. road, Monroe County, between Monroeville and Camden.*

D. C., Washington—Dist. Comms. let contract to H. S. Hatton Construction Co., Bond Bldg., at \$78,100 for 35,000 sq. yd. concrete sidewalks.*

D. C., Washington—Dist. Comms. let contract to Geo. B. Mullin, Inc., 1296 Upshur St. N. W., Washington, for 1400 sq. yd. reinforced concrete slab roadway and footway, 540 ft. curbing, etc.*

Fla., Inverness—City let contract to W. C. Shepherd, Silver Bldg., Atlanta, to grade and pave 8 mi. streets.

Fla., Tampa—Hillsborough County Comms., W. E. Dickenson, Clk., let contract to Smith Brothers, Decatur, Ill., at about \$100,000 to pave 18 streets and sections of streets west of Tampa with Amiesite surfacing on lime rock base, 18 to 24 ft. wide.

La., Vidalia—Concordia Parish Police Jury let contracts to rebuild and gravel 2 roads: To Mr. McKitheron, Jonesville, for dirt work on Lake St. John road, and to Glen Hill Gravel Co. for graveling; to Bloohunt Paving Co., Wildsville, La., to improve Wildsville road.

Missouri—State Highway Comm. Jefferson City, let tentative contracts for 10 roads and bridge: Wayne County, 3.720 mi. 30-ft. graded earth, Service Construction Co. Poplar Bluff; Cape Girardeau County, 2.879 mi. 9-ft. concrete and 7-ft. gravel, Service Construction Co.; 2.977 mi. 9-ft. concrete and 7-ft. gravel, Service Construction Co.; Dunklin County, Kocktitsky & Prosser, Cape Girardeau, 4.894 mi. and 3.777 mi. 9-ft. concrete and 7-ft. gravel; Douglas County, C. L. Johnson, Warrensburg, 3.814 mi. and 3.954 mi. 18-ft. gravel; Jefferson County, Fogelman & Davidson, St. Clair, Mo., 2.455 mi. and 2.627 mi. 30-ft. graded earth; Buchanan County, improve .023 mi. bridge, Thomas & Samson, Bonnots Mill, Mo.*

Mo., Aurora—Prince & Minton Construction Co., Parsons, Kan., has contract at \$25,839 to pave Madison Ave. from Frisco Depot to and around west side of square.

Mo., Cape Girardeau—City let contracts at about \$11,457 to Anton Haas, Cape Girardeau, and McGeorge Construction Co. to pave 2 blocks on S. Ellis and block on N. Middle St.

Mo., Kansas City—Halpin Boyle Construction Co., 709 Railway Exchange Bldg., has contract at \$50,946 to pave Leeds road from Kansas City to Blue Ridge Blvd.

N. C., Asheville—Asheville Paving Co., Technical Bldg., has contract to pave Hald and Oakwood Sts. and Catholic Ave.; B. M. Lee, City Engr.*

N. C., High Point—R. G. Lassiter & Co. has contract to widen Commerce St., Hamilton to Asheboro R. R., Perry to railroad; H. A. Moffitt, Mayor.

Okla., Carnegie—City, Barcell Johnson, Clk., let contract to Gallamore Construction Co., Cushing, for 17,800 yds. concrete paving.

Okla., Oklahoma City—City let contract to M. A. Swatek & Co., 519 1/2 W. Main St., Oklahoma City at \$13,991 for 4000 yds. 6-in. concrete paving on Catalpa St.; to Western Paving Co., Trades Natl. Bank Bldg., \$18,393, for 3400 yds. 1 1/2-in. Warrenite bitulithic paving on Walker Ave.

Tennessee—Tennessee Dept. of Highways and Public Works, Nashville, let contracts for 20 roads and 3 bridges: Madison County, Project 29-C, A. O. Freeman Construction Co., Dyersburg, \$27,661; Shelby County, No. 31-C, Hays Construction Co., Milan, \$92,004; No. 36-D, W. H. Shons Co., Freeport, Ill., \$72,595; Davidson County, No. 56-B, Foster & Creighton Co., Fourth and First Bldg., Nashville, \$228,477; No. 67-A, S. M. Blitter, Cincinnati, Ohio, \$199,338; Campbell County, No. 77-A, Shea Brothers, Knoxville, \$88,343; Gibson County, No. 175-B and B. J. R. Feigel Co., Evansville, Ind., \$229,710; Grundy

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County, No. 190-C, John Oman, Jr., Chamber of Commerce, Nashville, \$27,955; bridge, No. 190-C, W. A. Patton & Co., South Pittsburg, Tenn., \$49,528; Gibson County, No. 193, Hays Construction Co., Milan, \$215,641; Carroll County, No. 195, Landrum Bros. & Ewell, Dyer, \$94,663; Bridge No. 195, W. H. Shons Co., \$57,881; Monroe County, No. 323, Brown Contracting Co., James Bldg., Chattanooga, \$29,529; Obion County, No. 330-A, S. R. Hall, Newbern, \$38,529; Bridge, No. 330-A, W. H. Shons Co., \$73,391; Weakley County, F. G. Hall & Co., Martin, No. 331-A, \$66,843; No. 33-B, \$84,465; Knox County, No. 332-A, Shea Bros., Knoxville, \$74,145; No. 332-B, F. E. Brady & Son, Knoxville, \$23,995; Warren County, No. 333-A, Pitts Brothers, Mt. Pleasant, \$38,786; Marshall County, No. 334-A, W. L. Halley & Co., 314 42d Ave., N., Nashville, \$21,258; Jackson County, No. 335-A, Montgomery & Parker, Rockport, Ind., \$219,615; Robertson County, No. 336-A, Ewing L. Traubner, Adairville, Ky., \$68,706.*

Tex., Houston—Dixie Land Co., B. W. Steele, Pres., 209 W. Main St., let contract to Geo. S. Anderson, 1207 Truxillo Ave., at \$6510 for grading and drainage for main driveway for Telephone Road and Simms Bayou in 1600-acre development.*

Tex., San Benito—City, Mayor Brown, let contract to Dodds & Wedegartner, San Benito, at \$2.50 per yd. for ¼ mi. concrete base street paving.*

Tex., Slaton—City, S. F. King, Mayor, let contract to L. H. Howard at \$2.80 per yd. for 45,141 yds. 3-in. brick on 5-in. concrete base paving.*

Va., Richmond—City, R. Keith Compton, Director of Public Works, let contract to Old Dominion Construction Corp., 1009 Brook Ave., at \$22,000 for curbs and gutters in East End; John J. Curley, 901 N. Fourth St., at \$26,000 and \$23,000, respectively, for curb and gutter in Northside and West End; Van Doren Bros., American Natl. Bank Bldg., at \$17,000 for Southside curb and gutter; to McGuire & Rolfe, Va. Ry. & Power Bldg., at \$31,000 for brick paving on Marshall St.*

W. Va., Huntington—City let contracts at \$21,630 to pave with brick and concrete 3 streets; T. C. Griffith, Lucian Bias.*

Sewer Construction

Large sums are being expended for sewage facilities in connection with Land Development operations. Details will be found under that classification.

Fla., Kissimmee—See Water Works.

Fla., Miami—J. F. Kelly Construction Co. low bidder for sewer construction.*

Fla., Sarasota—City, J. R. Brumby, Jr., Commr. of Public Works, plans construction of storm drainage. See Financial News—Bond Issues Proposed.

Fla., Tampa—Board of Supervisors Interbay Drainage District, M. D. McElroy, Sec., receives bids July 6 for constructing concrete mains. (See Machinery Wanted—Sewers.)

Fla., West Palm Beach—City opens bids June 29 for \$200,000 sewers and \$305,969 lighting; will probably let contract to W. S. Lockman, Jr., for constructing interceptor in Lake Worth, cost \$94,000; accepted recommendation of T. B. Henry, City Engr., for about \$66,000 additional lighting contract to Southern Utilities Co.

Ky., Fulton—City, W. O. Shankle, Mayor, receives bids July 12 for sanitary sewerage system. (See Machinery Wanted—Sewers.)

Miss., Forest—Town plans installing sewer system. Address The Mayor.

Miss., Ellisville—City, S. W. Ruffin, Mayor, receives bids July 1 for sewer system; about 8 miles of pipe from 4 to 18-in.; Howarth & Watson, Civil Engrs., Hattiesburg.*

Mo., Jefferson City—City, C. W. Thomas, Mayor, will install sewerage system; may vote on bonds. See Financial News—Bond Issues Proposed.

Mo., St. Louis—Hogan Contracting Co. low bidder for Glaise Creek sewer, District No. 26; Fruin-Coinon Construction Co., Merchants Laclede Bldg., low bidder for Section F of Ohio-Montrose Public Relief sewer.

N. C., Lexington—Board of Commrs. receives bids June 25 for sewer and water extension. (See Machinery Wanted—Water Works; Sewers.)

Okla., Prague—City, H. W. Hartman, Mayor, receives bids July 2 for sewers. (See Machinery Wanted—Sewers.)

Okla., Wetumka—City voted \$30,000 sewer bonds; V. V. Long & Co., Engrs., Colcord Bldg., Oklahoma City.

Okla., Bristow—Town contemplates sewer system; may vote on bonds; I. L. Manning, Town Clk.

Okla., Coweta—City will construct sewer system; W. E. Davis, Engr., 219 Cole Bldg., Tulsa.*

Okla., Tulsa—City votes June 22 on \$1-155,000 bonds for storm sewers and \$100,000 for park improvements. Address The Mayor.

Okla., Tulsa—City reported let contract to C. M. Brown Construction Co., 1315 S. Trenton St., for sewer in district No. 247.*

S. C., Dillon—City plans expending \$25,000 for storm drainage. Address The Mayor.

Tenn., Dresden—City plans sewer system; V. V. Long & Co., Engrs., Colcord Bldg., Oklahoma City, Okla.

Tenn., Murfreesboro—City will construct 20 miles of sewer lines from 6 to 21-in., cost \$216,000; let contract to C. B. Howard & Co., Box 629, Nashville; Klyce & Harub, Engrs., Fourth and First Bldg., Nashville.*

Tex., Amarillo—James Foran, Box 238, has contract for sewer; Phillip S. Judy, 4232 St. John St., Kansas City, Mo., contract for water works.

Tex., Aspermont—City, A. A. Annis, Mayor, let contract to H. H. Shalle at \$25,000 for sewer system; Douglas & Mitchell Corp., Engrs., Wichita Falls.

Tex., Corpus Christi—City received low bid from Kirkwood, Wharton & Lee for furnishing material, equipment and labor for sewage screening plant.

Tex., Dublin—City voted \$25,000 bonds for sewers. Address The Mayor.*

Tex., Harlingen—City, S. Finley Ewing, Mayor, receives bids June 23 for sewers. (See Machinery Wanted—Sewers.)

Tex., Houston—City let contract to Pfeiffer Construction Co. for storm sewers on Isabelle Ave., and for sanitary sewers on Ennis St.*

Tex., Olney—Joe B. Winslett, 701 Mercantile Bank Bldg., Dallas, has contract for sewage treatment plant, cost \$19,000.

Tex., Waco—J. E. Johnson Construction Co. has contract at \$147,000 for main sewerage plant; McCall Engineering Co., contract for excavating.*

Va., Petersburg—See Water Works.

W. Va., Huntington—City Comm. plans connecting sewer in Nine and One-Half Alley.

Telephone Systems

Ala., Bessemer—The Southern Bell Telephone & Telegraph Co., main office Atlanta, Ga., will expend \$50,000 on improvements, placing underground cables, etc.*

Ala., Mobile—Southern Bell Telephone & Telegraph Co., main office Atlanta, Ga., will expend \$75,000 to \$100,000 for improvement, including cables and office equipment; Hugh M. Standlil, Dist. Mgr., Chickasaw St.

Mo., Kansas City—Southwestern Bell Telephone Co., main office Boatmen's Bank Bldg., St. Louis, Mo., soon begin improvements, add 6 stories to 14-story telephone building and shops for telephone parts for Missouri and Kansas, and warehouse and garage will be erected.*

Mo., Springfield—Southwestern Bell Telephone Co., main office, St. Louis, Mo., will expend about \$29,000 building additional circuits and replacing worn material on Springfield-Joplin-Rogers long-distance lines.

N. C., Asheville—Southern Bell Telephone & Telegraph Co., main office, Atlanta, Ga., acquired Cane Creek Telephone & Light Co.'s pole line, 6 miles on Asheville-Fairview Highway.

Tenn., Knoxville—Peoples Telephone Co., J. H. Duncan, Pres., 313 Commerce Ave., increased capital \$150,000 to \$300,000.*

Textile Mills

Ala., Florence—Chamber of Commerce reported negotiating with Gardiner & Warring Co., Amsterdam, N. Y., for knit underwear plant.

Fla., Tampa—J. H. Boushall of First National Bank reported interested in erection of 5000 spindle cotton mill.

Ga., Macon—G. Glen Toole reported is negotiating with New England capitalists for establishment of bleaching and finishing plant.

Ga., Newman—Arncos Mills reported let contract to T. C. Thompson & Bros., 609 N. Smith St., Charlotte, N. C., for constructing \$195,000 plant; 1-story, sawtooth daylight

construction, 152x136 ft., water house 40x40 ft.; 3 warehouses, each 50x100 ft., Lockwood, Greene & Co., Engrs., Atlanta.*

Ga., Thomaston—Thomaston Cotton Mills, W. H. Hightower, Pres., reported let contract to Batson-Cook Co., West Point, for first unit of Martha textile mill; 280,000 ft. of floor space; install 30,000 spindles; cost of first building unit \$500,000, o completed plant \$3,000,000; Robert & Co., Engrs., Atlanta.

N. C., Marion—Marion Mfg. Co. wires: "Have arranged to equip 10,000 spindles Casa Blancas system; deliveries due."

N. C., Charlotte—Savona Manufacturing Co., J. E. Siegel, Vice-Pres., reported let contract to T. C. Thompson & Bros. for addition to textile mill; 3 stories, 60x90 ft., and construction of 3-story on present plant, 75x90 ft.

N. C., Mount Airy—W. E. Lindsay, John Banner and associates reported interested in establishment of textile mill by Philadelphia, Pa., company; acquired building on Willow St.; remodel for boys' underwear factory.

Tex., Harlingen—Valley Cotton Mill Co., Inc., S. F. Ewing, reported has site for textile mill.

Va., Danville—Dan City Silk Mills, N. Main St., reported to establish second unit of silk mills; W. A. Nance, 156 Stokes St., has contract at \$24,522 for building; 2 story; 60x150 ft.; brick and concrete; fireproof.

Water Works

Large sums are being expended for waterworks in connection with Land Development operations. Details will be found under that classification.

Ala., Pell City—City, Frank B. Embry, Mayor, votes June 21 on bonds for water works.

Fla., Dunnellon—City will expend \$30,000 for extensions to water mains, sewer mains and house connections; \$80,000 for rehabilitation of water system, improvements to pumping station; will vote on bonds. See Financial News—Bond Issues Proposed.*

Fla., Key West—Monroe County Water Supply Board, Wm. H. Malone, Atty., reported interested in construction of water lines.

Fla., Kissimmee—J. B. McCrary Co., Atlanta, Ga., has contract for water and sewer extension.

Ga., Crawfordville—J. B. McCrary Co., Atlanta, reported making surveys and estimates on water works system.

Ga., Waycross—City, C. V. Stanton, Mayor, plans installing additional equipment.

La., Lake Charles—Louisiana Electric Co. will extend water mains on various streets, install fire hydrants.

Miss., Arcola—City, J. D. Scull, Clk., reported let following contracts for water works: U. S. Cast Iron Pipe & Foundry Co., Birmingham, Ala., for cast-iron pipe; Lewis-Brown Co., Murfreesboro, Tenn., for galvanized pipe; Pittsburgh-Des Moines Steel Co., Praetorian Bldg., Dallas, Tex., for galvanized steel tank on tower; Columbian Iron Works, 2511 Chestnut St., Chattanooga, Tenn., for valves and boxes; M. H. Ellis, Clarksdale, for pipe laying; Minyard Well Co., Greenville, for well.

Miss., Gulfport—City Commrs. let contract at \$33,900 to H. A. Forrest & Co., 918 Short St., New Orleans, for constructing storage reservoir.*

Miss., Jackson—State Hospital Removal Improvement Comsn., R. L. Brown, Sec., receives bids June 24 for increased water supply.

N. C., Lexington—Board of Commrs. receives bids June 25 for water and sewer extension. (See Machinery Wanted—Water Works; Sewers.)

Okla., Cushing—City plans water works improvements. See Financial News—Bond Issues Proposed.

Okla., Altus—City receives bids about Aug. 3 for water works, including dam at Lugert, 18 mile pipe line, softening plant, tank and tower; Benham Engineering Co., Const. Engr., 512 Gumbel Bldg., Kansas City, Mo.*

Okla., Chandler—City will construct \$100,000 water works; Benham Engineering Co., Engr., Gumbel Bldg., Kansas City, Mo.

Okla., Chickasha—City reported to receive

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bids after July 1 for water works; Robt. O. Bradley & Co., Engrs.*

Okl., Headrick—City reported let contract to Utilities Engineering Co., Wichita Falls, Tex., for water works improvements.

Okl., Picher—City Council plans extension of water lines.

Okl., Stillwater—City plans \$40,000 water works improvements. Address The Mayor.

S. C., Chester—City, S. Churchill Carter, Mayor, receives bids July 20 for water works improvements. (See Machinery Wanted—Water Works.)

S. C., Greenville—Town of West Greenville votes June 29 on \$65,000 bonds. Address The Mayor.

Tenn., Harriman—City voted to sell water and light plant to Tennessee Electric Power Co., Chattanooga.

Tenn., Hohenwald—City votes July 2 on bonds for water works. Address The Mayor.

Tex., Amarillo—See Sewer Construction.

Tex., Harlingen—City plans water works and sewer improvements and parks. See Financial News—Bond Issues Proposed.

Tex., Kyle—City defeated water bonds. Address The Mayor.*

Tex., Waco—City, E. E. McAdams, Mgr., advises that city will call election in near future on issuance of between \$3,000,000 and \$4,000,000 bonds for construction of dam on Bosque River in connection with proposed storage reservoir; Floyd, Loughridge & Gillespi, Wilson Bldg., Dallas, Engrs.*

Va., Hopewell—City Council authorized 8-in. water main from B. Village fire station to Fifth Ave. in DuPont city; are receiving bids for 3500 ft. pipe.

Va., Petersburg—Board of Supervisors of Dinwiddie County contemplates installing water and sewers in Kenilworth.

Woodworking Plants

Fla., Tampa—Tampa Wicker Furniture Co., 411 N. Howard St., contemplates additions to factory.

Ga., Bainbridge—A. L. Howell, Samson, Ala., reported to establish shuttle mill.

La., New Orleans—John Maestri Furniture Co., capital \$15,000, incorporated; John Maestri, Anthony J. Cigall.

La., New Orleans—Southport Barrelling Co., Inc., capital \$12,500, chartered; J. H. Legendre, Hibernia Bank Bldg.

Md., Hagerstown—Statton Furniture Manufacturing Co., Oak and First Sts., let contract to Martin L. Keener for \$50,000 plant, 190x50 ft. and 176x156 ft. buildings; brick and steel, concrete and wood floors fireproof roof; install approximately \$40,000 machinery; A. J. Klinkhart, Archt. (See Machinery Wanted—Woodworking Machinery.)*

Tenn., Knoxville—Turner, Day & Woolworth Handle Co., 1217 S. Seventh St., Louisville, Ky., reported acquired site in Lonsdale, erect modern handle factory; begin construction about July 1.

Tenn. Memphis—See Lumber Enterprises.

FIRE DAMAGE

Ark., Conway—Two buildings owned by Dr. George Brown and occupied by Krieger Paint Shop and Jonesboro Store; S. G. Smith Building, occupied by Ideal Cafe; loss \$40,000.

Ark., Danville—Danville Democrat, Lewis Brothers, merchandise; Yell County Bank building, Ladd & Ledger, V. E. Cloan feed store and Montgomery Restaurant, Roy Montgomery, propr.; loss \$30,000.

BUILDING NEWS

BUILDINGS PROPOSED

Association and Fraternal

Ala., Avondale, Birmingham—Avondale Lodge, A. F. & A. M., having plans drawn by D. O. Whildin, 517 N. 21st St., Birmingham, for brick temple; 3 stories, 50x75 ft.; about ready for bids.*

Ark., Pine Bluff—Pine Bluff Shrine, C. H. Bollinger, Chmn., Bldg. Comm., 218 E. Sixth

Ark., El Dorado—Kettle Creek Refinery; loss \$50,000.

Ark., Helena—Barnes & Burnette's auto salesroom and storage plant and adjoining building; loss \$70,000.

Ark., Fayetteville—Clubhouse of Fayetteville Country Club; loss \$5000.

Ark., Jacksonville—Sawmill and hardwood plant of S. E. Thompson & Son; loss \$15,000.

Fla., Lakeland—Riddle Furniture Manufacturing Co.'s plant at Eaton Park; loss \$75,000.

Fla., Tampa—Warehouse of Jackson Grain Co. at Polk and Ashley Sts.; loss \$25,000.

Fla., Tampa—Jack's Place, service station at 1609 Franklin St.; loss \$10,000.

Ga., Roswell—Textile plant of Roswell Mills, Inc.; loss \$400,000.

Ga., Uvalde—Stores of Dr. W. M. Moses, occupied by A. D. Cumbee's grocery and meat market, Union Grocery Co. and Lewis Danish, dry goods.

Ky., Lone Oak—Building owned by Mrs. L. B. Davis, occupied by I. N. Rogers' grocery; Muck Cartee's garage, John Rushing's garage; loss \$20,000.

La., New Orleans—Warehouse at 517-21 Bienville St., owned by Mrs. Philip Werlein, 1514 Nashville Ave.; loss \$35,000.

La., Willets—Willets Wood Products Co.'s veneer mill; loss \$90,000.

Md., Deal Island—Clinton B. Webster's residence; loss \$6000.

Miss., Amory—L. C. Riggan's residence, S. Sixth St.

Miss., Yazoo City—Yazoo City Spoke Company's plant; loss \$25,000.

Mo., Cape Girardeau—John Lando shoe store at 623 Good Hope St.; loss \$15,000.

N. C., Durham—Portion of building on Parrish St., owned by R. H. Wright, occupied by Ideal Shade Co., Hockfield's Wholesale Co. and O'Brian shirt factory; loss from \$15,000 to \$17,000.

N. C., Elkin—Store of J. Q. Adams, on E. Main St.; loss \$10,000.

N. C., Newton—Bud Lippard's residence south of Newton.

Tenn., Chattanooga—B. F. Williams' residence E. of Missionary Ridge; loss \$10,000.

Tenn., Knoxville—Building at 507-9 Market St., occupied by Piggly-Wiggly Co. Brotherhood of Locomotive Engineers and offices, owned by E. F. Mynatt, 2304 N. Broadway, and Ben H. Mynatt, Akron, Ohio; loss \$100,000.

Tenn., Puryear—Lee Mathis' residence.

Tenn., Sharon—Residences owned by Urie Pitt, N. P. Galbreath and Rufe Freeman, Mill St.

Tex., Dallas—Elm Street Hotel, occupied on first floor by Pruitt Dry Goods Co., 1808 Elm St.; loss \$35,000.

Tex., Waco—Mrs. Lula C. Aynesworth's residence, 922 N. 17th St.; loss \$10,000.

Tex., Walnut Springs—Will Ryan's residence.

Va., Harrisonburg—Electric Equipment Shop, Garrison Press, Pankeys Variety Store, Winers Plumbing Shop; loss \$40,000.

Va., Richmond—Virginia-Carolina Rubber Company's plant; loss \$75,000 to \$100,000.

Va., Suffolk—Bell Hosiery Mill, loss \$20,000.

W. Va., Ashland—Savage Building, at 15th St. and Winchester Ave.

W. Va., Kermit—Residences of Oscar Goodnight, Harry Baker, E. G. King, V. Thacker, Bill Walters, Melvin Blackburn, Geo. Noble and H. Gauze; loss \$25,000.

Damaged by Explosion

Tenn., Lexington—Lexington City Ice & Coal Co.'s plant; loss \$15,000.

Park; J. H. Leveck & Sons, Reigler Bldg.; Herman & McCain Construction Co., Reigler Bldg.; Stewart McGehee Construction Co., Kahn Bldg.; John H. Thalman, 101 E. 24th St., all Little Rock; Kaucher-Hodges Co., Shrine Bldg.; B. E. Buffalo & Co., Columbian Mutual Tower, both Memphis, Tenn.*

Fla., Avon Park—American Legion plans clubhouse, Skippers Point.

Fla., Bartow—Knights of Pythias erect building.

Fla., Orlando—Orange County Young Men's Christian Assn., O. P. Swope, Chmn., Bldg. Comm., selected Dwight James Baum, Riverdale-on-Hudson, New York, and Sarasota, Fla., as architect for \$800,000 building.*

Fla., Palm Beach—Benevolent Protective Order of Elks erect additional story and roof garden to clubhouse.

Fla., Palm Beach—Palm Beach Post No. 12, American Legion, Jerome Wideman, Chmn., Bldg. Comm., tentatively decided to erect \$150,000 clubhouse, site present structure, 218 Datura St.; 2 stories.

Fla., Vero Beach—Felix Poppell Post, American Legion, Mr. Dale, Commdr., plans clubhouse.

La., Vinton—Lodge No. 199, Knights of Pythias, R. Tillman, member, plans building.

Miss., Clarksdale—Benevolent Protective Order of Elks, A. J. Moseley, member, erect clubhouse, Lake Moon.

N. C., Tryon—Piedmont Council, Boy Scouts of America, Gastonia, started work on 10 houses, mess hall and handicraft lodge on Lake Lanier; total cost \$12,000.

Tenn., Dandridge—C. B. Owens erect residence.

Tex., Cisco—Lodge No. 556, A. F. & A. M., plans \$80,000 temple; brick, stone and reinforced concrete, 4 stories and roof garden.

Tex., Dallas—Masonic Temple Corp., Sam P. Cochran, Chmn. Bldg. Comm., 1821 Young St., select architect about July 1 for \$1,000,000 temple; brick, stone, steel and reinforced concrete, fireproof.*

Bank and Office

Fla., Avondale, Birmingham—Avondale Bank and Savings Co., J. B. Lassiter, Pres., 205 S. 41st St., remodel 2-story brick building, Avenue B and Spring St.

Fla., Jacksonville—N. G. Wade Investment Co., erect 4-story office and theater building, Park St. near Post St.; 120x132 ft.; cost about \$100,000; theater seat 1500, to be leased to E. J. Sparks Enterprises; Roy A. Benjamin, Archt., 709 Bisbee Bldg.

Fla., Orlando—C. A. Roberts Real Estate Co., 62 N. Orange Ave., having plans drawn by David B. Hyer, Rose Bldg., for remodeling 6-story building, S. Orange Ave. and Jackson St., for offices; add 2 stories; store, restaurant and owner's office on first floor.*

Fla., Sarasota—Jos. V. Horn, care Horn & Hardart Baking Co., 214 S. Tenth St., Philadelphia, Pa.; reported erect store and office building, Pineapple and Seventh Sts.; restaurant.

La., New Orleans—Cottonport Farmers Bank erect 1-story brick building; stone trim, tile roof and floors, fixtures, vaults, heating, plumbing, electric wiring; Wm. T. Nolan, Archt., Canal-Commercial Bldg., New Orleans.

La., New Orleans—Marine Bank & Trust Co. have plans ready about 2 weeks for bids on brick and stone trim branch bank, Carrollton Ave. and Oak St.; 1 story and mezzanine, marble and tile floors, composition roof, marble cage fronts, plate glass windows, bank fixtures; Jones, Roessle & Olschner, Archts., Maison Blanche Bldg.*

La., New Orleans—Lafayette Fire Insurance Co., John X. Wagmann, Pres., 2123 Magazine St., receives bids June 17 for alterations and 2-story brick addition to building; plans and specifications from Wm. R. Burk, Archt., Balter Bldg.

Miss., Shaw—Bank of Shaw remodel building; marble interior; Lyman Abbott, Archt., Clarksdale; plans complete.

N. C., Hendersonville—Citizens Mutual Office Building Corp., Inc., organized with \$250,000 capital to erect 12-story Chamber of Commerce Bldg.

Tex., San Benito—J. T. Lomax is reported to be about ready for bids on hollow tile and stucco bank and office building to cost about \$70,000, 2 stories, concrete foundation; plans by Harvey P. Smith, Archt., Nat. Bank of Commerce Bldg., San Antonio.

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Tex., Cuero — Texas Central Power Co., Frost Natl. Bank Bldg., remodel and enlarge building, Main and Esplanade Sts., for quarters.

Tex., San Angelo — Bell Abstract Co. plans \$20,000 building; brick and concrete.

Tex., San Antonio — Interstate Amusement Co., Harry R. Fardwell, Sec., 1921 Elm St., Dalls, plans \$1,000,000 to \$2,000,000 theater and office building, E. Houston and College Sts.; about 17 stories, theater seat about 3000; John Ebersson, Archt., 212 E. Superior St., Chicago, Ill.

Churches

Ala., Birmingham — First Methodist Church, Rev. W. H. Hansfield, Pastor, Easley, plans \$90,000 Sunday school, Avenue G and 20th St.; brick and stone, 3 stories and basement, 50x150 ft., concrete and composition roof, steam heat; Geo. P. Turner, Archt., 1203-04 American Tr. Bldg.

Ark., Paragould — Methodist Church Rev. J. L. Shelby, Pastor, plans \$50,000 building, E. Court St.

Ark., Paragould — Second Baptist Church erect 16x40-ft. annex; 2 rooms. Address The Pastor.

Ark., Russellville — Methodist Episcopal Church, South, 501 Rivers St., plans \$70,000 building; furnishings, equipment, etc., \$15,000; expect to be ready for bids about Aug. 1. Address H. K. Morehead, 500 Jefferson St. See Machinery Wanted.*

D. C., Washington — First Brethren Church, 12th and E Sts., Rev. Homer A. Kent, Pastor, plans \$75,000 building; work on first unit to start in few weeks; red brick; auditorium and gallery seat 600; Sunday school in basement.

Fla., Daytona Beach — St. Paul's R. C. Church, Rev. Wm. J. Mullally, Pastor, call for bids within month for \$200,000 church, N. Ridgewood Ave. and Cypress St.; also let contract to Chauncey M. Walker for addition to convent.

Fla., Jacksonville — Sharpe Memorial Baptist Church, Rev. W. F. Sharpe, interested, plans building, 58th St. and Euclid Ave., St. Johns Park.

Fla., Palmetto — Methodist Church erect \$30,000 Sunday school annex. Address The Pastor.

Fla., Palmetto — Seventh Day Adventist Church erect \$30,000 building. Address The Pastor.

Fla., Punta Gorda — Baptist Church, Rev. A. J. Holt, Pastor, erect \$75,000 building.

Ga., Macon — First Christian Church, Rev. B. F. Foster, Pastor, plans main auditorium, Orange St.; convert present structure for Sunday school.

La., Hammond — First Baptist Church, Rev. Hosea Price, Pastor, plans \$75,000 building.

La., Monroe — Louisiana Baptist Children's Home, Geo. E. Goodman, Farm Supt., plans chapel.

Md., Baltimore — Alameda Baptist Church, 32d St. and Alameda Blvd., plans \$100,000 building.

Mo., Kansas City — Roman Catholic Diocese, Thos. F. Lillis, Bishop, Kansas City, has plans by John Gerard for St. Catherine Church near Dodson.

Mo., St. Louis — St. Louis House of Retreat, White House, Rev. Jas. P. Monaghan, S. J., Director, erect \$50,000 chapel, gift of Dayton H. Mudd, 6918 Washington Blvd.; Norman Gothic type, broken ashlar constr.; seat 100.

Okla., Tulsa — St. Francis Parish, Rev. F. D. McCreedy, Rector, erect church, rectory and 2-story parochial school, 2500 block E. First St.; Spanish Mission type, stucco finish; auditorium seat 700; Donald McCormick, Archt.

S. C., Greenville — Central Baptist Church, Pinkney and Lloyd Sts., will let contract by June 20 for church and Sunday school; cost \$150,000; 3 stories and basement, about 60x120 ft., wood and cement floors, concrete foundation, tar and gravel roof; Jones & Trott, Inc., Archts., Woodside Bldg.*

S. C., Greenville — Park Place Baptist Church, Rev. Brodie B. Jernigan, Pastor, has broken ground for building.

Tenn., Chattanooga — Mizpah Reform Jewish Congregation, Milton R. Ochs, Chmn., Bldg. Comm., Times Bldg., lets contracts June 29 for Bertha and Julius Ochs Memorial Temple and Educational Building; cost \$100,000; Henry B. Herts, Archt., 25 W. 43rd St., New York; C. E. Bearden, Asso. Archt.*

Tenn., Chattanooga — First Baptist Church, W. H. Fox, Chmn., Bldg. Comm., plans \$1,000,000 church and office building.

Tenn., Memphis — South Side Methodist Church, Rev. C. E. Norman, Chmn., Finance Comm., plans \$125,000 building, McLemore Ave. near Orleans St.; Hubert T. McGee, Archt., 801 Fidelity Bank Bldg.

Tenn., Nashville — Belmont Heights Baptist Church, Dr. W. M. Wood, Pastor, plans to complete building; cost \$95,000, probably brick and concrete; foundation in.

Tex., Benton — Pearl Street Church of Christ plans Sunday school. Address The Pastor.

Tex., Eagle Lake — First Baptist Church, Rev. Neil Ellis, Pastor, is ready to let contract for \$27,000 building; C. N. Nelson, Archt., 1017½ Eagle Ave., Houston.*

Tex., Houston — Central Presbyterian Church, Rev. J. Elmer Ferguson, Pastor, erect \$50,000 building, Montrose Blvd. and Berthea St.; Endress & Cato, Archts., Bankers Mortgage Bldg.

Tex., Marshall — First Baptist Church, Rev. S. H. Frazier, Pastor, erect \$55,000 building; brick, steel and frame, 3 stories and basement, 96x65 ft., composition roof; Ferrand & Fitch, Archts., 701 Slaughter Bldg., Dallas.

Tex., San Antonio — St. Mark's P. E. Church receiving bids, date of opening not set, for stone and concrete addition to church and 3-story parish house, Pecan and Jefferson Sts.; total cost \$150,000; latter brick, stone and reinforced concrete, 48x112 ft.; tile, terrazzo, hardwood, linoleum, wood block, rubber tile, composition and concrete floors, slate and tar roof, marble, cast stone, terra cotta trim; Giles & Beckmann, Archts.; Alfred Giles, Engr., both Moore Bldg.*

Va., Richmond — Church of the Brethren, Broad and 23rd Sts., H. H. Eye, member, Fund Campaign, erect Sunday school and parsonage, 23rd and Broad Sts.

Va., Winchester — Braddock Street M. E. Church, South, plans building, N. Braddock St., Address The Pastor.

W. Va., Beckley — Methodist Episcopal Church, South, E. F. Cooper, member, Bldg. Comm., erect \$100,000 building; M. O. Bright, Archt.

City and County

Ark., Fort Smith — City, Fred Johnson, City Mgr., soon call for bids on brick and steel auditorium at fair grounds; cost about \$13,000; 1 story; T. E. Bassham, Archt.

D. C., Washington — District Commissioners, District Bldg., have low bid at \$33,107 from Arthur L. Smith & Co., 819 13th St. N. W., for field house in East Potomac Park tourist camp.

Fla., Avon Park — City erect community house, auditorium seating 1000, bath house, hand shell, etc., connection with development, Skipper's Point. Address City Council.

Fla., Center Hill — City has bids in for hollow tile and stucco city hall, fire station and jail building, cost \$15,000; 1-story, 36x80 ft., concrete and wood floors, built-up Type B roof; furnishings, equipment, etc., \$10,000; Fredk. T. Uezell, Archt., P. O. 307, Ocala. See Machinery Wanted.*

Fla., Fort Lauderdale — City, B. J. Horne, City Mgr., has plans nearly completed by Francis L. Abreu for clubhouse on municipal golf grounds.

Fla., Gainesville — City, J. R. Fowler, Mayor, opens bids about Aug. 15 for semi-fireproof city hall; 3 stories, 60x100 ft.; cost \$60,000; furnishings, equipment, etc., \$10,000; Robert & Co., Inc., Archt.-Engr., Bona Allen Bldg., Atlanta, Ga.*

Fla., Orlando — City, J. A. Etinson, City Clk., bonds for Lorna Doone bath house and \$35,000 fire station bonds; defeated 000 for organ at city auditorium.*

Fla., Vero Beach — Indian River County Board of Commrs. plans courthouse, Braeburn Park.

Fla., West Palm Beach — Palm Beach County erect \$40,000 home for delinquent children at poor farm; Spanish type, accommodate 25 girls and 25 boys; Campbell & King, Archts.

Md., Cumberland — City, Chas. F. Heller, Commr. of Streets and Public Property, will sell 2 brick fire stations and erect new structures.

N. C., Asheville — City erect football stadium; seat 7000 to 10,000; temporary wood stand at present; to cost about \$12,000.

Okla., Cushing — City Council plans election on \$20,000 public library bonds.

Okla., Sallisaw — City, care Fred Johnson, erect \$13,000 auditorium at Fair Grounds; T. E. Bassham, Archt., Fort Smith, Ark.

Tex., Kerrville — Kerr County, Lee Wallace, Judge, receives bids July 15 for courthouse and jail; brick, reinforced concrete and steel,

3 stories; jail on top floor; Adams & Adams, Archts., Gibbs Bldg., San Antonio.*

Dwellings

Ala., Birmingham — Frank M. Coleman, care C. H. McCauley, Archt., 709-11 Jackson Bldg., erect frame residence, Berwick Rd., Milner Heights; 2 stories, 32x50 ft., copper shingle roof, hardwood floors, tile baths, hot-air heat.

Ala., Birmingham — R. L. Gleen, American Trust Bldg., erect hollow tile and stucco residence, Hollywood; 1 story, hardwood floors, tile bath, hot-air heat, garage; Geo. P. Turner, Archt., 1203-04 American Trust Bldg., about ready for bids.

Ala., Carbon Hill — Jas. Nicol erect frame residence; 1 story and basement, hardwood floors, composition roof, concrete basement; Wm. Leslie Welfton, Archt., American Trust Bldg.; ready for bids about June 15.

Ala., Gunthersville — W. C. Woodall erect hollow tile and face brick residence; 1 story, composition roof, hardwood floors, garage; Geo. P. Turner, Archt., 1203-04 American Trust Bldg., Birmingham.

Ala., Mobile — Mrs. W. B. Patterson erect \$75,000 residence, Government St. and Pleasant Lane; J. Platt Roberts, Archt., First Natl. Bank Bldg.

Ark., Blytheville — A. M. Butt erect \$20,000 face brick veneer residence; 2 stories, 40x50 ft., Bedford limestone, hollow tile, asbestos shingle or slate roof, oak floors, hardwood interior finish, hot-water heat; Uzzell S. Branson, Archt.

Ark., Fort Smith — Dr. W. H. Allen, Merchants Bank Bldg., erect \$10,000 residence; frame, 2 stories; about ready for bids.

Fla., Bartow — Z. T. Bynum erect residence, Fairview Ave.

Fla., Bonifay — Acreage Investment Corp., J. M. Cohen, Pres., Chipley, erect number dwellings in connection with farms development.

Fla., DeLand — Joe D. Smith erecting 3 buildings; total cost \$14,000.

Fla., Jacksonville — E. B. Parramore erect \$11,000 brick veneer residence, Hendrick St. near Perry; 2 stories.

Fla., Miami — South Florida Mortgage Co., 150 S. E. First St., erect dwelling, 3455 Quimet Ave., Orchard subdivision; cost about \$10,000.

Fla., Pensacola — J. H. D'Alemberte, 413 W. DeSoto St., erect hollow tile and stucco residence; 2 stories and basement, 50x35 ft., tile roof, hardwood floors, tile bath, concrete basement, steam heat; Warren, Knight & Davis, Archts., 1603 Empire Bldg., Birmingham, Ala.; Chandler C. Yonge, Asso. Archt., 300 American Bank Bldg.; about ready for bids.

Fla., Pensacola — Geo. B. Sexton erect \$25,000 residence; brick veneer, 2 stories, 40x60 ft., slate roof, tile baths, garage, steam heat; Warren, Knight & Davis, Archts., 1603 Empire Bldg., Birmingham, Ala.; Chandler C. Yonge, Asso. Archt., 300 American Bank Bldg.; bids in.

Fla., St. Petersburg — W. L. McConkey erect 6 dwellings, Ninth Ave. N., Kenwood subdivision.

Fla., West Palm Beach — W. L. Klausmeier erecting 3 dwellings and garages, Colonial Rd., and 2 on Franklin St.; cost \$3000 each, 1 story.

Ga., Atlanta — Eugene V. Haynes, Candler Bldg., erect 10 dwellings, Haynes Manor.

Ga., Augusta — Dr. N. S. Evans, Johnson Bldg., Roy Hoffman, 109 Third St., and E. A. Lamar, erect 3 Spanish-type bungalows, Broad St.

La., Alexandria — I. Newstadt erect \$11,000 brick veneer residence; asbestos slate roof, plaster interior finish, steam radiators; C. Scott Yeager, Archt.; receiving bids.

La., New Orleans — C. A. Younger, 4612 S. Johnson St., plans residence, Metairie Ridge; work start about 2 months.

La., New Orleans — W. H. Wohrman remodel and erect additional story to residence, Kerlerec and Royal Sts.; slate roof; E. M. Reynes, Archt., 822 Perdido St.*

La., New Orleans — Paul G. Charbonnet, 830 Union St., erect 2 raised bungalows, 5530-34 Willow St.; composition roofs; total cost \$10,000.

La., New Orleans — Mrs. Anna R. Meyer erect 2 dwellings and 1 store, Chestnut St. near Upperline St.; composition roofs; total cost \$10,800; Henry G. DeFraithe, Contr., 5710 Laurel St.

La., New Orleans — Mrs. John H. Barnhard remodel residence, 924 Moss St.; J. A. Haase, Contr.

In writing to parties mentioned in this department it will be of advantage to all concerned if the Manufacturers Record is mentioned.

La., New Orleans—Jos. M. Graber, 2200 Gen. Taylor St., erect 2 duplexes, Willow St. near Joseph St.; slate roof; total cost \$14,000.

La., New Orleans—Mrs. Albert Jaubert, 2724 Palmer Ave., receives bids June 21 at office Lockett & Chachere, Archts., Title-Guarantee Bldg., for 2-story frame duplex, Willow and Short Sts.; plans and specifications from Archts.

La., New Orleans—Wm. H. Ennis, Maison Blanche Bldg., receives bids June 22 for frame and stucco residence, Fillmore and Louisville Sts., Lakeview; 2 stories, pile foundation, tile and composition roof, wrought iron work, hot-air heating; E. J. Gilbert, Archt.; following contractors estimating: A. Garrett, Canal-Commercial Bldg.; A. C. Babins Sons, Marine Bank Bldg.; Otis W. Sharp, 144 Carondelet St.; Chas. Gibert, Balter Bldg.; Wm. Wallace, 131 N. Hagan Ave.

La., New Orleans—Mrs. Albert Jaubert, Willow and Short Sts., receives bids June 21 for 2-story frame duplex, Willow and Short Sts.; reinforced concrete foundation, slate roof, tile floor and baths, automatic gas heaters, screens, finished floors, gas steam radiators; plans and specifications from Lockett & Chachere, Archts., Title-Guarantee Bldg.; following contractors estimating: E. M. Due, 1923 Elysian Fields Ave.; L. Delarosa, Balter Bldg.; Bordages & Tierney, 3125 Bell St.; Wm. Evers, 1310 Poland St.

La., Opelousas—E. B. Dubuisson completed foundation of \$28,000 residence; Herman J. Duncan, Archt., 120 Murray St.; Homer Ventre, Contr.; plumbing, David Hollier; roofing, Creco-Dipt Shingle Co.; plastering, Fred Sheron; tile and marble work, Wallace Marble Co., Pineville.

Md., Baltimore—Columbia Building Co., 3609 Harford Road, erect 23 dwellings, N. side Philadelphia Road near Highland Ave.; 2 stories; total cost about \$60,000.

Miss., Biloxi—New Dominion Realty Co. erect \$10,000 model dwelling, Oak Park.

Mo., Clayton, St. Louis—Mrs. Alma Drey, 6336 Pershing St., erect \$25,000 brick residence, Tesson subdivision; 40x60 ft.

Mo., Clayton, St. Louis—Aug. H. Grunewald, 3038A Lexington St., erect \$10,000 residence, Country Club addition, Normandy Park.

Mo., Clayton, St. Louis—Paul Lungstraus, 5389 Pershing St., erect \$15,000 residence, Wydown Terrace; 35x38 ft.

Mo., Clayton, St. Louis—T. Moreno, 6318 Washington St., erect \$25,000 brick residence, Brentmoor; 58x60 ft.

Mo., Clayton, St. Louis—Jas. Moritz erect brick residence, Wydown Forest; cost about \$10,000; 30x32 ft.

Mo., Clayton, St. Louis—J. H. Roever, 5118 Palm St., erect \$10,000 brick residence; 33x54 ft.

Mo., Clayton, St. Louis—W. M. Scudder, 5060 Raymond St., erect \$14,000 brick residence, Ellenwood; 40x40 ft.

Mo., Joplin—O. H. Barbee, 1731 Annie Baxter St., erect 2 dwellings, 1808 Annie Baxter and 528 Porter Ave.; total cost \$12,000.

Mo., Kansas City—H. R. Ostrom erect 3 dwellings, 4963-67-71 Ward Pkwy.; total cost \$24,000.

Mo., Kansas City—H. W. Humphrey erect \$10,000 residence, 627 W. 67th St.

Mo., St. Louis—Dan H. Mullen, 116 N. Clay St., has drawn plans for dwelling and garage, York Village and Lay Rd.

N. C., Asheville—Marie Bollman erect \$10,500 residence, Linden Ave.; 7 rooms.

N. C., Charlotte—Miss Ona Choate, 3 E. First St., erect \$15,000 residence, Mt. Vernon and Lexington Aves.; 8 rooms.

N. C., Greensboro—L. B. Leftwich, Leftwich Arcade, probably erect number dwellings connection with development of Overlook Park.

N. C., Greensboro—Ray Warren, 614 Fifth Ave., erect \$12,000 residence, Madison Ave.; 2 stories, 8 rooms, frame, shingle roof; Greensboro Realty & Lumber Co., Contr., Banner Bldg.

S. C., Barnwell—Julian Bush erect additions to residence; Willis Irvin, Archt., Lamar Bldg., Augusta, Ga.

S. C., Beaufort—Willis Irvin, Archt., Lamar Bldg., Augusta, Ga., drawing plans for 3 dwellings, Beaufort Shores.

S. C., Chester—Monroe A. Carpenter erect residence, York and Foote Sts.; let contract June 16.

S. C., Greenville—Mrs. W. S. Griffin, 120

Broadus Ave., erect \$11,000 residence, Manly St.

S. C., Williston—G. W. Green alter residence; Willis Irvin, Archt., Lamar Bldg., Augusta, Ga.

Tenn., Knoxville—Ed Albert erect \$10,000 residence, Sequoyah Hills; 8 rooms, frame.

Tenn., Knoxville—W. R. Pitner erect 2 frame dwellings, Seventh St. and Earl Ave.; 5 rooms; total cost \$10,000.

Tenn., Memphis—T. J. Canale, care D. Canale & Co., 408 S. Front St., erect residence; Geo. W. Mahan, Jr., Archt., 700 Amer. Bank Bldg.

Tenn., Memphis—L. B. Bensinger, care Kraus & Co., 726 Madison St., contemplates brick veneer residence, Linden Ave., Kimbrough subdivision; brick veneer, 2 stories and basement; tile roof and bath, oak floors; garage and servants' quarters.

Tenn., Memphis—W. F. Elbrecht, 2058 Waverly St., erect residence, Walnut Grove subdivision.

Tenn., Memphis—L. L. Stewart, 1981 Nelson St., erect 6 brick veneer dwellings, 300 block Burdock St.; 5 rooms; cost \$3000 each.

Tenn., Memphis—J. R. Ellis, Central Bank Bldg., erect \$20,000 residence, E. Parkway; brick veneer, 2 stories and basement, 68x36 ft., tile roof and bath, oak floors, steam heat, garage; W. C. Lester, Archt., Dermon Bldg.

Tenn., Memphis—E. W. Hale, Room 207, Courthouse, having plans drawn by Geo. Mahan, Jr. 700 Amer. Bank Bldg., for brick veneer residence to replace burned structure, Whitehaven; 1-story and basement, oak floors, tile bath, garage.

Tenn., Memphis—H. M. Hall, Central Bank Bldg., erect \$12,000 brick veneer residence, Hall Crost subdivision; English type 2 stories and basement 40x50 ft., composition roof, oak floors, tile bath, hot-water heat, garage; Estes W. Mann, Archt., 203 Cotton Exchange Bldg.

Tenn., Memphis—W. E. Hyde, 1750 Forrest Ave., erect \$30,000 residence, Morningside Park; brick veneer, 2 stories and basement, 40x71 ft., tile terrace, roof and bath, oak floors, vapor steam heat, garage and servants' quarters; Spencer & Phillips, Archts., 202 Fidelity Bank Bldg.

Tenn., Memphis—Maury H. Jenkins, 1973 Evelyn St., erect \$12,000 residence, Jefferson Ave., near Cox St.; brick veneer and cobblestone, 2 stories and basement, 50x36 ft., composition shingle roof, oak floors, tile bath, water heat; Polk Agee, Archt., 1315 Fidelity Bank Bldg.

Tenn., Memphis—W. L. Oates, 1667 Central Ave., erect \$15,000 residence, Crestmore Place; oak floors, tile bath, steam heat, garage.

Tenn., Memphis—M. H. Palmer, Fidelity Bank Bldg., erect brick veneer and field stone residence; 1-story and basement, 42x39 ft., composition shingle roof oak floors, tile bath, garage; Polk Agee, Archt., 1315 Fidelity Bank Bldg.

Tenn., Nashville—Annie Louise Scruggs erect 2 brick veneer dwellings, 2508-10 Turner Ave.; 1½ stories, rooms; total cost \$10,000.

Tenn., Whiteville—Almont Mitchell erect brick veneer residence; 2 stories and basement, 38x32 ft., composition roof, oak floors, tile bath, hot-water heat; Hubert T. McGee, Archt., 801 Fidelity Bank Bldg., Memphis.

Tex., Beaumont—Capt. E. D. Leach, member Forest Lawn Memorial Park Assn., plans residence.

Tex., Electra—R. Y. Smith erect \$32,000 residence; brick veneer, 2 stories, basement, 10 rooms, slate roof, hot-air heat; Pate & Thompson, Archts., 1005 City Nat. Bank Bldg., Wichita Falls.

Tex., Fort Worth—Laurence Gernsbacher, Farmers & Mechanics Bldg., erect 4 dwellings, 3100-06-12-18 Lubbock St.; brick veneer, cost \$6500 each.

Tex., Houston—Clarence L. Carter, Commercial Bank Bldg., erect \$65,000 residence, 1506 South Boulevard; hollow tile and brick veneer, 2 stories; 10 rooms.

Tex., Houston—Real Estate Trust Co., F. E. Wood, Pres.-Mgr., Cotton Exchange Bldg., erect number dwellings, Houston Suburban Estates, connection with development.

Tex., Houston—H. C. Vogt, 812 Hawthorne Ave., erect \$10,000 residence and garage, 2050 Oakdale St.; brick veneer, 8 rooms.

Tex., Houston—F. M. West erect \$12,000 residence and garage, 2502 Prospect St.; brick veneer, 7 rooms.

Tex., Lockhart—Clyde Beatty erect \$18,000 residence; Georgian type, brick veneer; Albaugh & Steinbomer, Archts., 941 Austin St., San Antonio; bids opened June 17.

Tex., San Antonio—Tropik Building Co. erect \$15,000 dwelling, Mary Louise Drive; 10 rooms.

Tex., San Antonio—A. Ditch, 2512 N. Flores St., erect \$10,000 brick veneer residence, W. Russell St.

Tex., San Antonio—Robt. McGarraugh erect \$13,500 residence, Elmhurst St.; 6 rooms.

Va., Norfolk—South Hill Manufacturing Co., 834 Douglas Ave., erect 7 frame dwellings, West Port Norfolk; total cost \$12,000.

Government and State

Tenn., Chattanooga—Treasury Dept., Jas. A. Wetmore, Act. Supervising Archt., Washington, D. C., receives bids July 6 for toilet room, etc., at post office and courthouse; drawings and specifications from Custodian at site or from office Supervising Archt.

Tenn., Memphis—Treasury Dept., Jas. A. Wetmore, Act. Supervising Archt., Washington, D. C., reported erect \$325,000 sub-post office.

Hospitals, Sanitariums, Etc.

Ark., Hot Springs National Park—Sisters of Mercy, Sister Bernard, Mother Superior, erect \$750,000 building for St. Joseph's Infirmary, site present structure, Whittington Ave.; steel and concrete, T shape, 5 stories, 275x40 ft. and 150x50 ft., two 1-story extensions for kitchen and laundry, 3 elevators, 135 rooms, operating, X-ray rooms, etc., 9 ward rooms; Henry P. Hess, Archt., 1237 N. Taylor St., St. Louis, Mo.

Fla., Jacksonville—M. E. Wells, Lackawanna Rd., is chairman of comm. of Exchange Club promoting 165-bed hospital.

Fla., Melbourne—Melbourne Emergency Hospital Organization, Dr. Glen Henley, plans hospital.

Ga., Savannah—Levy, Clarke & Bergen, Liberty Bank & Trust Bldg., drawing plans for brick Charity Hospital for negroes, 26th and Florence Sts.; 215 ft. front, 125 beds; work on first 2 units to start upon completion of plans.

Md., Baltimore—James Lawrence Kernan Hospital and Industrial School for Crippled Children plans hospital addition; accommodate 70; cost about \$125,000; R. E. Lee Taylor, Archt., Union Trust Bldg.

Mo., Cape Girardeau—Alfred L. Harty is chairman of incorporators planning \$100,000 Southeast Missouri Hospital; raising funds.

Mo., St. Louis—Board of Public Service, E. R. Kinsey, Pres., receives bids June 22 for employees' buildings on grounds of City Sanitarium, Arsenal St. and Brannon Ave.; 1 story, 36x70-ft., assembly hall, 2-story and basement, 36x56 ft., recreation building and two 3-story, 39x131-ft. wings, all reinforced concrete, brick and stone; total cost \$420,000; also receives bids for constructing Sections B-11 and C. of River des Peres drainage works; L. R. Bowen & A. Osburg, Archts.; L. R. Bowen & H. Updike, Egrs., all 301 City Hall; plans, specifications, forms of contract, etc., from office Pres., Room 304-300 City Hall.

N. C., Greensboro—Richardson Memorial Hospital Board of Directors, Dr. C. W. Banner, Chmn., have plans ready within few days for bids on negro hospital; cost \$50,000 to \$60,000; C. C. Hartmann, Archt., Jefferson Bldg.

N. C., Waynesville—Haywood County voted \$100,000 hospital bonds. Address Board of Commrs.

Tex., Palestine—Dr. A. L. Hathcock and others interested in securing hospital.

Hotels and Apartments

Ala., Opelika—Farley Holding Co., care W. Scott Farley, will erect \$450,000, 8-story, 100-room, steel and concrete, 124x174-ft. hotel, provided citizens subscribe \$60,000 of preferred stock; site at S. Eighth St. and Avenue B; include circulating ice water, electric fan in every room, storage garage in rear, several stores on ground floor, roof garden on top floor, 2 electric elevators; will be leased by William Foor Hotel Operating Co., George M. Crump, Vice-Pres., Richmond, Va.; G. Lloyd Preacher & Co., Archts., Wynn-Claughton Bldg., Atlanta, Ga.

Fla., Hollywood—E. L. Keigher erect \$12,000, 2-story, 4-family apartment house in Monroe St.

Fla., Miami—Louis G. Hagan, 144 S. E. 14th Terrace, erect \$25,000, 2-story, 4-family apartment house in N. E. Fifth Ave. at Sixth St.

Fla., Miami—V. C. Holding Corp., agents for Villa Carlotta, Inc., filling in site for

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\$2,000,000 Carlotta Apartments, S. Bayshore Drive and 15th Road; 300x215 ft., fireproof; include 65 apartments and 1 ten-room maisonette; co-operative ownership plan.

Fla., Miami—N. H. Heller, owner of Royalton Hotel, 131 S. E. First St., has plans by George L. Pfeiffer, 1026 S. W. 19th Ave., for 125,000, 50x50-ft., 75-room, 7-story annex.

Fla., Orlando—Gregory Murphy announced construction of \$300,000 co-operative apartment house at N. E. cor. E. Robinson and Cathcart Sts. on Lake Eola.

Fla., St. Petersburg—Cash Race erect \$16,000, 24-room, 8-apartment house, 1212 Sixth Ave. North.

Fla., Tallahassee—Tallahassee Chamber of Commerce, care Dexter Lowery, Frank Winthrop and others, plan organization of Florida Hotel Corp to sell \$500,000 in stock for erection of 6-story hotel.*

Fla., Tampa—Robert Bourquard, 5806 Branch Ave., erect \$10,000 apartment house on Spring St.

Fla., Tarpon Springs—C. R. Thomson of Jones & Thomson Realty Co., 714 Central Ave., St. Petersburg, announced construction of 6-story, 100-room, fireproof, steel apartment hotel, Pinellas and Tarpon Aves. and Court St., by Harry A. Ford, New York City.

Fla., Vero—J. L. Hutchinson erect \$60,000, 2-story, 18-family apartment house in 20th St.

Fla., West Palm Beach—M. L. Riener erect \$30,000, frame, 3 apartment houses on Tamarind Ave.

Fla., West Palm Beach—Chalker, Lund & Crittenden, Citizens Bank Bldg., erect \$60,000, 2-story, 18-family apartment house in Dixie Highway.

Fla., West Palm Beach—Paul R. Yeazel erect \$30,000, 2-story, 12-family apartment house, Okeechobee Road.

Ga., Atlanta—Nathan Ingram erect 2-story, brick veneer apartment house at 362 Ashby St., cost about \$10,000.

Ga., Atlanta—Mrs. Leola Wells erect \$15,000, 2-story, brick veneer apartment building, 406 Greenwood Ave.

Ga., Jesup—J. F. Breen, owner of Ingle-side Hotel, enlarge and remodel at cost of \$50,000.

Ga., Savannah—J. Maril, 310 E. Gaston St., reported negotiating for erection of hotel in block bounded by Harris and Montgomery Sts. and W. Broad and Charlton Sts.

La., New Orleans—Walter Cook Keenan, Archt., Liverpool & London & Globe Bldg., calling for sub-contract bids on two 8-apartment buildings, Bordeaux and Pitt Sts., for Pendleton E. Lehde, Whitney Bldg.

Miss., Greenville—Muffuletto Brothers, owners of Muffuletto Hotel, plan to erect 16-room annex.

Miss., Jackson—Owners of site of First Baptist Church, President and Capitol Sts., will pool their interests and erect \$750,000 building, probably a hotel; J. A. Teat, Chmn., Texas Bldg., and Dr. J. O. Segura, Sec., 914 Wells St.

Miss., Ocean Springs—Germain & Vancleave, realtors, announced plans for erection of \$200,000 hotel, for which \$60,000 capital stock has been subscribed; Col. Apperson of Buena Vista Hotel, Biloxi, reported interested.

Mo., Clayton, St. Louis—Margaret Realty Co., 819 Chestnut St., erect two 90x30-ft. apartments in De Mun Park; \$80,000.

Mo., Clayton, St. Louis—E. A. Wagner, 722 Chestnut St., erect \$36,000 and \$35,000, 36x44 and 64x53 ft. apartments in De Mun Park.

Mo., Kansas City—Marjorie M. Jones, 3665 E. Ninth St., erect \$33,000 apartment house, 4400-2 Jarboe St.

Mo., Kansas City—Charles E. Whitaker does not contemplate erecting 3 apartments on 11th St., as recently reported.*

Mo., Pierce City—Board of Education receives bids until June 20 for erection of \$15,000, brick, 60x80-ft., 1-story gymnasium addition to High School; concrete and maple floors, concrete foundation, asphalt roof, steel sash and trim, limestone; Neal C. Davis, Archt., Central Natl. Bank Bldg., St. Louis.*

N. C., Oxford—J. H. L. Myers and R. B. Loyd submitted proposal to Chamber of Commerce, S. W. Medford, Sec., to erect \$80,000 hotel, provided Chamber will raise funds to purchase site.*

Tenn., Chattanooga—Mrs. Nellie C. Stoltz, wife of Commodore J. Perry Stoltz, Fleetwood Hotel, Miami Beach, reported to have taken over all contracts on Fleetwood of Fairyland Hotel, on Lookout Mountain, and organized company to build third unit; com-

posed of Rudolph Schroeder, Weehawken, N. J., Pres.; Mrs. Stoltz, Vice-Pres.; Garnet Carter, Vice-Pres. and Sec.; O. E. Andrews, Treas., Rossville Ave.

Tenn., Memphis—A. L. Pritchard, 195 S. Belvedere St., instructed Hanker & Cairns, Archts., Hill Bldg., proceed with working plans and specifications for new Adler Hotel, Union Ave. and S. Third St.; leased to Herman S. Adler; work to start about Sept. 1.

Tex., Amarillo—Mr. and Mrs. B. Fisher, Hotel Palo Duro, opened bids June 15 for \$25,000, 4-story, brick and metal lath, 75x100-ft. apartment building, 16th and Jackson Sts.; hardwood floors, include 22 garages; M. C. Parker, Archt.*

Tex., Borger—R. R. McMillen, Kansas City, Mo., has plans in progress by Kerr & Walsh, 30 Fuqua Bldg., Amarillo, for \$150,000, 3-story, brick, stone and reinforced concrete hotel building; 7 stories on first floor, 88 rooms, 40 baths.

Tex., Hillsboro—Newman Hotel Co., care Fred E. Newman, Waxahachie, owner of Hotel Wear, will expend \$20,000 for improvements.

Tex., Houston—H. D. Cox, 2410½ McKinney St., erect \$15,000, brick veneer, 4-apartment house with garage, 4350 Polk St.

Tex., Houston—A. B. Olson & Bros., 1021 W. Gray St., erect two \$15,000 brick veneer, 4-apartment houses with garages, 1215 W. Gray and 4712 Chenevert Sts.

Tex., San Benito—A. G. Agar reported contemplates erecting 35-room hotel.

Tex., Sweetwater—David S. Castle Co., Archts., 701-4 Alexander Bldg., Abilene, preparing plans for 1 or 2 story, brick and reinforced concrete, 25-room addition to Wright Hotel building.

Va., Marion—Kiwanis Club interested in erection of 75 or 100-room hotel on Main St.

Miscellaneous

Fla., Avon Park—Women's Club reported to erect club building.

Fla., Clearwater—Clearwater Beach Casino Co., Joseph P. White, Sec.-Treas., has plans by Robert F. Smallwood, Box 3735, for \$200,000, 2-story, timber, 250x60-ft. bathhouse, etc., on Clearwater Beach Island; wood floors, tile roof, cement and concrete foundation, equipment and furnishings cost \$50,000; George Karran, Engr.*

Fla., Palm Beach—Gus Baths, Inc., Capt. Gus Jordahn, Pres., plans to expend \$8,000,000 on bathing beach development; include amusement pier, casino, bathing pools, etc.

Miss., Ellisville—Gov. H. L. Whitfield, Chmn., State Building Commission, Jackson, receives bids July 1 for erection of \$30,000 girls' dormitory at State Colony for Feeble Minded; C. H. Lindsley, Archt., Lamar Bldg., Jackson.

Mo., Kirkwood—Old Folks' Home of St. Louis County raising \$80,000 for new home. Address Rev. Louis Steek.

N. C., Mount Airy—Mount Airy Women's Club plans erection of community building.

Tex., Dallas—Dallas Board of City Missions of Methodist Episcopal Church, South, selected Eugene Davis, Republic Bank Bldg., prepare plans for \$14,000 community house for Little Mexico; 2 stories, 17 rooms, frame construction.

Tex., Houston—Texas Athletic Club, care J. P. Mannen, has plans in progress by Hedrick & Gottlieb, Second National Bank Bldg., for 16-story club building.

Tex., Luling—Edgar B. Davis announced establishment of \$1,000,000 fund for founding home for destitute children and institution for promotion of crop diversification.

Tex., San Angelo—Schleicher County Fair Assn., care Ed Hill, plans to erect building, enclose grounds, etc.

W. Va., Huntington—W. E. Deegans, Pres. of West Virginia Jockey Club, soon start work of rebuilding grandstand at Tri-State track recently burned; \$12,000.

W. Va., Industrial—State Board of Control, J. S. Lakin, Pres., Charleston, receives bids until July 1 for following sub-contracts on 33x114-ft. with 33x22-ft. wing, 3-story and basement, semi-fireproof Sutton Cottage at West Virginia Industrial Home for Girls: Concrete work, brick work, cut stone work, heating and plumbing, electrical work; exterior face brick and Indiana limestone; T. T. Sansbury, Archt., Citizens Guaranty Bldg., Parkersburg.

Railway Stations, Sheds, Etc.

Fla., Ojus—Florida East Coast Rwy. Co., H. N. Rodenbaugh Ch. Engr., St. Augustine, reported planning to erect station to replace building burned at \$50,000 loss.

Schools

Ala., Albany—School Board authorized expenditure of \$75,000 on remodeling 3 ward schools and addition of equipment in Central Albany schools.*

Ala., Attalla—City voted \$12,000 school bonds. Address Board of Education.

Ala., Huntsville—Board of Education soon have completed plans by R. H. Hunt Co., Chattanooga, for \$150,000 High School building on Campbell property.*

Ala., Montgomery—State Board of Education authorized State Supt. to locate a county high school for Tuscaloosa County at Northport, one for Russell County at Hartsboro, and another for Greene County at Eutaw.

Ala., Prattville—Board of Education has plans in progress by A. F. Dittmar, State Dept. of Education, Montgomery, for \$40,000 grammar school building; bids until July 6.

Ala., Tuscaloosa—Delta Tau Delta and Zeta Beta Tau Fraternities will erect fraternity houses on campus of University of Alabama; cost \$25,000 and \$20,000.

D. C., Washington—American University Board of Trustees, John C. Letts, Pres., will erect 60x120-ft. gymnasium this summer; erecting library building.

Fla., Avon Park—See Fla., Sebring.

Fla., Davenport—Board of Education call election July 10 on \$95,000 bonds for erection of 12-room school building, improvements to present building, apartment house for faculty and school for colored.

Fla., DeSoto City—Trustees of Baptist College, care F. N. K. Bailey, plan to start work this fall on first unit of plant.

Fla., Inverness—Kiwanis Club of Inverness started campaign for construction of \$125,000 school building for Citrus County High School and other grades.

Fla., Jacksonville—Duval County Board of Public Instruction, G. E. Wilbur, Supt., has tentative plans in progress by M. C. Greeley, 111 W. Adams St., for 12-room negro school in West Lewisville.

Fla., New Smyrna—School Board soon let contract for 1-story, frame and stucco, 30x170-ft. school; pine floors, concrete foundation, built-up roof, \$12,000; Shoppell & Weller, Archts., Box 1658.

Fla., Orange City—Volusia County Board of Public Instruction, George W. Marks, Sec., DeLand, receives bids until July 8 for erection of 1-story, 147x88-ft., brick, tile, stucco, stone trim school building; rock concrete foundation, tile, wood and concrete floors, built-up roof, ventilators; De La Haye & Roberts, Archts. and Engrs., 24-25 Davis Bldg., Daytona Beach.*

Fla., Port Tampa—Hillsborough County Board of Public Instruction, Tampa, has plans in progress by C. Frank Gallher, Brantley Bldg., Tampa, for \$150,000, 2-story, brick school building; provide 12 classrooms, primary room, cafeteria, library, teachers' room, office, auditorium, etc.; exterior red rough texture brick, stone and terra cotta, Gothic design, Barrett roof, terrazzo floors, fireproof stairways and enclosures, plumbing and vacuum steam heating; call for bids within 30 days.

Fla., Sebring—Highlands County Board of Public Instruction, Col. F. N. K. Bailey, Supt.-Sec., call elections July 9 in Sebring School District and Avon Park District on \$100,000 and \$60,000 bonds.

Fla., St. Augustine—School Tax District No. 1 voted \$250,000 bonds for school extension; Robt. B. Meserve, Supt.-Sec., St. John's County Board of Public Instruction.*

Fla., West Palm Beach—Palm Beach County Board of Public Instruction, Capt. A. S. Anderson, Chmn., will call \$800,000 bond election in School District No. 1 for new school buildings.

Ga., Atlanta—Emory University, Harvey W. Cox, Pres., plans to erect 2-story addition to chemistry building; cost \$75,000.

Ga., Augusta—Richmond County Board of Education opened bids for erecting \$50,000 brick veneer Summerville school; Branch & Smith, 334 Walker St., low bidders; Willis Irvin, Archt., Lamar Bldg.*

La., Bonita—Morehouse Parish School Board, Bastrop, call election July 5 on \$65,000 bonds for new high school at Bonita and repairs to other schools.

Ky., Vanceburg—Anna L. Bertram, Lewis County Supt. of Schools, receives bids until June 22 for erection of \$40,000, 2-story and basement, brick High School building; equipment and furnishings cost \$5,000; DeVoss & Donaldson, Archts., Portsmouth, Ohio.*

Miss., Bassfield—Jefferson Davis County

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Board of Education, Prentiss, receive bids July 2 for \$20,000 school building.

Miss., McLaurin—McLaurin Consolidated School District voted \$20,000 school improvement bonds. Address Forrest County Board of Education, Hattiesburg.*

Mo., Richmond—Camden Consolidated School District voted \$30,000 bonds for new school building. Address Board of Trustees.

Mo., St. Louis—City votes June 19 on \$700,000 bonds for erection of 2 junior high schools at 38th and State Sts. and 42d and Van Buren Sts. Address Board of Education.

N. C., Barnesville—Buncombe County Board of Education, A. C. Reynolds, Supt. of Schools, Asheville, will call election in Barnesville District on \$40,000 bonds to be added to \$60,000 loan from State Board of Education for new building.

N. C., Charlotte—Johnson C. Smith University, Dr. H. L. McCrorey, Pres., contemplates erecting administration and library building; cost between \$75,000 and \$100,000.

N. C., Chimney Rock—Rutherford County Board of Education, Clyde A. Erwin, Supt., Rutherfordton, open bids about July 1st for erection of \$40,000 2-story tile and stucco elementary school at Lake Lure; Barrett roof, wood floors; G. Lloyd Preacher & Co., Inc., Archts., 1204 Wynne Claghton Bldg., Atlanta, Ga.*

N. C., Rocky Mount—George R. Edwards, Sec. Board of Graded School Trustees, call election August 9 on \$350,000 school bonds.*

N. C., Statesville—Iredell County Board of Education, W. C. Wooten, Chmn., received bids until June 15 for erection of 2 school buildings in Troutman High School and Bethlehem School Districts.

N. C., Winston-Salem—Forsyth County Board of Education has plans in progress by Northup & O'Brien, Starbuck Bldg., for \$100,000 school for South Fork Township, on Waughtown-Clemmons Road.*

S. C., Allendale—Board of Education has plans in progress by Willis Irvin, Lamar Bldg., Augusta, Ga., for Consolidated High School for which \$100,000 bonds were voted.

S. C., Anderson—Supt. of Education Mahaffey opens bids June 21 for erection of 3-room, brick and frame school building in Smith's School District No. 4, near Anderson; plans can be obtained from Rudolph E. Lee, Archt., Clemson College, S. C.

S. C., Clemson College—Rudolph E. Lee, Archt. of Clemson Agricultural College, advises in regard rebuilding engineering building recently burned at \$300,000 loss: "Will probably be rebuilt as 2 buildings, one for shops and laboratories and other for classrooms, drafting rooms and offices; fireproof construction; plans very indefinite at present."*

Tenn., Chattanooga—Fred B. Frazier, Commissioner of Education, contemplates erecting \$250,000 school on West Side.

Tenn., Chattanooga—City Commission call election in August on more than \$375,000 bonds to be used, with exception of \$125,000, for school extension.

Tenn., Greeneville—Tusculum College trustees voted to begin at once the erection of gymnasium, swimming pool and athletic park, \$50,000.

Tenn., Humboldt—Gibson County defeated \$125,000 school bonds. Address County Commissioners.*

Tenn., Madisonville—Monroe County Board of Education voted to erect 2-teacher school at East Sweetwater, 2-teacher school at Rockville and 1-teacher building on north side of Tennessee River.

Tenn., Nashville—Directors of Southern College of the Young Men's Christian Assn. completed campaign for \$1,000,000 for building and endowment. Address Dr. W. D. Weatherford, Pres. of college.

Tex., Alto—Board of Education has plans in progress by C. H. Leinbach, 605 Central Bank Bldg., Dallas, for \$25,000, 1-story, 67x126-ft. addition; take one story off present building; tar and gravel roof, metal ceilings.

Tex., Austin—University of Texas, care Theo. Bellmont, Director of Athletics, has plans in progress by Herbert M. Greene Co., 805 Santa Fe Bldg., Dallas, for \$45,000, reinforced concrete and frame grandstand at Ball Park.

Tex., Banquete—Nueces County Court, Judge Jesse Wright, Corpus Christi, call election June 19 in Banquete Common School District No. 4 on \$12,000 bonds for addition and remodeling school.*

Tex., Brady—Board of Education call election July 2 on \$25,000 bonds for additions of domestic science room and equipment to

high school; also install heating systems at grade and grammar schools.

Tex., Commerce—Board of Education of Commerce School District plans to erect 2-room building at Central school.

Tex., Houston—Board of Education, H. L. Mills, Business Mgr., purchased site on E. Montgomery Road for erection of elementary school.

Tex., La Pryor—Board of Trustees La Pryor School District has plans by Henry T. Phelps, Hicks Bldg., San Antonio, for \$36,000, Spanish type school building.

Tex., Lytton Springs—Board of Education, care Audrey Cardwell, receive bids after June 20 for \$40,000, 2-story, brick, concrete and stone school building; Henry T. Phelps, Archt., Hicks Bldg., San Antonio.

Tex., Mexia—Westminster Junior College, J. G. Willis, Pres., plans to erect dormitory for women.

Tex., Nacogdoches—Board of Education, R. H. Davis, Supt. of Schools, call election June 28 on \$60,000 bonds for new auditorium and addition to negro school.*

Tex., Paducah—Paducah Independent School District voted \$70,000 bonds for 2-story, 140x88-ft., brick, stone and reinforced concrete, 21-classroom and 40x70-ft. gymnasium high school addition; E. F. Rittenberry, Archt., 303 Blackburn Bldg., Amarillo.*

Tex., San Antonio—St. Mary's Hall, care Hiram Partee, 2001 San Pedro St., opened bids for erecting 2-story, concrete, brick, hollow tile and stucco dormitory on E. French Place; Gilles & Beckmann, Archts., Moore Bldg.; V. L. Rasmussen, Builders Exchange Bldg., low bidders at \$16,840.

Tex., San Benito—Board of Education let contract to Dodds & Wedegartner at \$11,869 for addition to Ward School; Harvey P. Smith, Archt., Natl. Bank of Commerce Bldg., San Antonio.*

Tex., Sherman—Austin College Board of Trustees, Rev. William F. Galbraith, Sec., authorized Building Committee proceed with third unit of Administration Building now under construction, to include walls and brick work; Brennan Co., Dallas, has contract for concrete and steel framework; Clyde & Rolfe, Archts., 306 Commercial Bank Bldg.; C. D. Hill & Co., Asso. Archts., 801 Central Bank Bldg., Dallas.*

Tex., Stanton—School Board has plans in progress by Peters & Haynes, Lubbock, for \$40,000, fireproof high school building.

Tex., Sylvester—Board of Education has plans in progress by Ribble & Ribble, Lubbock, for \$40,000 8-room and gymnasium school building.

Tex., Sweetwater—Board of Education, W. H. Bartlett, Sec., call bond election June 29 on \$225,000 bonds for high school building; Page Bros., Archts., 348 Austin Natl. Bank Bldg., Austin.

Va., Blacksburg—Virginia Polytechnic Institute, Dr. Julian A. Barruss, Pres., has preliminary sketches by Carneal & Johnston, Virginia Rwy. and Power Bldg., Richmond, for \$100,000, 4 story and basement, 45x142 ft., brick, fireproof dormitory.*

Stores

Fla., Daytona Beach—F. W. Woolworth Co., New York, leased property at S. W. cor. Magnolia Ave. and Beach St.; plans to erect \$108,000, 2-story store building; steel framework, brick and terra cotta finish, 5 store rooms on first floor, offices above.

Fla., DeLand—J. C. Sewell Realty Co. soon start work on store building at E. New York and Spring Garden Aves.; also plans another on E. Indiana Ave. and warehouse.

Fla., Jacksonville—Baeder Properties, Inc., subsidiary of United Clear Stores Co., care Fred L. Mullikin, 121 W. Adams St., local representative, plans immediate construction of 8 store building, costing \$350,000 to \$400,000.

Fla., Miami—Charles Davis, 1721 S. W. 11th Terrace, erect \$15,000 group of stores. N. W. 34th St. and 27th Ave.

Fla., Miami—Charles A. Kremp erect \$25,000 2-story store and apartment building. N. W. 44th St. and Seventh Ave.; D. Leonard Halper, Archt., Realty Board Bldg.

Fla., Orlando—Bonwit, Teller & Co., Fifth Ave. and 38th St., New York, purchased property at Magnolia and E. Amelia Sts., plans erection of \$250,000, 3 or 4 story, Spanish type, stone, structural steel with reinforced concrete ladies' ready-to-wear store.

Ga., Atlanta—Massell Realty Co., 43½ Peachtree St., erect 1-story building at 79 Nelson St., cost about \$10,000.

La., New Orleans—Mrs. E. Ostbye erect

\$30,000, 2-story store and residence at 540 Adams Ave.

Miss., Biloxi—Mrs. N. L. Yerger has plans in progress by Shourds-Stoner Co., Gulfport, for 90x110 ft. and 50x130 ft., 2 story, brick store and office buildings, replace structure burned; wood and concrete floors.*

Miss., Brookhaven—W. H. & J. E. Seavey start work July 1 on \$30,000, 2-story, pressed brick and artificial stone, 50x100-ft. store and cotton office on W. Cherokee St.; composition and concrete floors, composition roof, concrete foundation. (See Machinery Wanted—Metal Ceilings; Metal Doors; Steel Sash and Trim; Wire Glass; Flooring; Ventilators; Cast Stone.)*

Mo., Clayton, St. Louis—Thomas Saum, 713½ Chestnut St., erect \$17,000, 110x60-ft. store and office building on St. Andrews Lane.

Mo., Kansas City—G. M. Baltis, 4931 Troost Ave., erect \$20,000 stores at 2612-18 E. 15th St.

Mo., Kansas City—Morris Realty Co. will erect \$50,000, brick structure at 1009-15 E. 26th St.

Mo., Kansas City—Wayne Towel & Linen Supply Co., 908 E. 42d St., will erect building at 1514 Prospect Ave.

Mo., Kansas City—H. E. Fisher, 20 E. 54th St., erect \$150,000 brick business building at 321 Bush Creek Blvd.

Mo., Kansas City—C. T. Keleher, Chambers Bldg., erect \$25,000 brick business building at 1514 Prospect Ave.

Mo., St. Louis—Manne Bros. Furniture Co., 5613 Delmar St., erect \$300,000 7-story and basement building at 5616 Delmar Blvd.

Tenn., Knoxville—J. H. Webb Co., 24 Market Sq., will remodel adjoining building.

Tenn., Nashville—H. G. Hill Realty Co., 500 Second Ave. N., contemplates erecting 1 or 2-story business building.

Tenn., Nashville—Morris Wilson remodel brick store front, etc., at 229-33 Fifth Ave. North; \$10,000.

Tex., Houston—Dr. E. Marvin Bailey, 2407 Main St., erect \$15,000, reinforced concrete, hollow tile and wood joisted store and filling station, 3803 Washington St.

Tex., Sherman—Williams-Eubank Wholesale Grocery Co. has plans by Clyde & Rolfe for remodeling.

Theaters

Fla., Jacksonville—N. G. Wade Investment Co., 4-story theater and office building, Park St. near Post St.; theater seat 1500, to be leased to E. J. Sparks Enterprises; Roy A. Benjamin, Archt., 709 Bisbee Bldg.

Ky., Louisville—Broadway Amusement Co. made preliminary plans for erection of 1-story motion picture theater at 1167-71 S. 18th St.

La., New Orleans—Alsian Brothers probably let contract next week for erection of structure over present Famous Theater, Marigny and Claiborne Sts.; steel frame, hollow tile and stucco walls, composition and tile roof, sprinkler system; following contractors bidding: Gitz & Geier, 7817 Pearl St.; J. V. & R. T. Burkes, Carondelet Bldg., and Saputo & Governali, 3238 Bienville St.; A. H. Ehrnsing, Archt., 1124 Peniston St.

Tex., Amarillo—Dent Theater Interests, care Will R. Winch, Mgr., and Louis L. Dent, Pres., plan construction of brick and reinforced concrete theater building, seat 1500.

Tex., McAllen—Louis Gerets purchased site; plans to erect \$20,000 brick and reinforced concrete theater building.

Tex., San Antonio—Interstate Amusement Co., 1921 Elm St., Dallas; \$1,000,000 to \$2,000,000 theater and office building, E. Houston and College Sts.; John Everson, Archt., 212 E. Superior St., Chicago, Ill. (See Buildings Proposed—Bank and Office.)

W. Va., Wheeling—George Shafer, Mgr. of Court and Victoria Theaters, reported completed plans for theater at corner 11th and Chapline Sts. to cost \$1,500,000 complete.

Warehouses

Ark., Little Rock—Southwestern Bell Telephone Co. purchased property at Seventh St. and Rock Island Railroad, as site for warehouse and garages.

Fla., Miami—R. L. Hill, 1795 N. E. Fourth Ave., erect \$48,000 warehouse at N. E. 27th St. and Florida East Coast Railway.

Fla., Miami—Sinclair Refining Co., Sinclair Bldg., Tulsa, Okla., erect \$50,000 warehouse at 1102 N. W. 73d St.

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Fla., Miami—A. DeBogory, 776 S. W. Fourth St., erect \$15,000 warehouse on N. Miami Ave.

Fla., Sarasota—Binz Warehouse, Inc., erect \$20,000 warehouse.

Fla., West Palm Beach—S. E. Nichols erect \$20,000 tile warehouse on Okeechobee Road and \$15,000, hollow tile warehouse on N. Railroad Ave.

Mo., Kansas City—Kellogg Mackey Co., 21st and Walnut Sts., will erect \$150,000 warehouse at 2020-4 Walnut St.

N. C., Charlotte—Carolina Transfer & Storage Co., 211 W. First St., will erect \$150,000, 3-story, reinforced concrete, fireproof storage warehouse on W. Morehead St.

Tenn., Johnson City—Bruce Myers, Greeneville, completed plans for tobacco warehouse on Fairview Ave.

Tenn., Knoxville—Dr. G. C. Hutson, Pres. of Lowe-Hord Hardware Co., 401 Wall Ave., announced construction of 6-story, fireproof, 200x200-ft., concrete warehouse by consolidated interests, including Armour & Co., Barrett & Co., both 120 Broadway, New York, and others.

R. M. Felton, Sec.-Treas., Ferry St., gen. contract at \$31,250; heating, plumbing and wiring, Anderson Plumbing Co., Main St.; struct. steel, Richmond Structural Steel Co., 17th and Dock St.; tile and Alberene stone treads, Roanoke Marble & Granite Co., Inc.; misc. steel products and iron staircase, C. Grady Cates, both Boxley Bldg., Roanoke.*

W. Va., Charleston—Randolph Street Baptist Church, Rev. C. McKay Smock, Pastor, let contract to Wallace & Agnor for \$50,000 building, Randolph St. near Tennessee Ave.

City and County

Fla., Wauchula—City let contract at \$71,840 to Paul Smith, Haines City, for city office, fire and police station; reinforced concrete, stucco and tile, 2 stories, tile and composition roof; M. Leo Elliott, Inc., Archt.-Engr., Franklin St., Tampa.

Ga., Blackshear—Pierce County Board of Roads and Revenues let contract at \$42,665 to Pauly Jail Building Co., 2215 DeKalb Ave., St. Louis, Mo., for jail.*

BUILDING CONTRACTS AWARDED

Bank and Office

Ala., Ensley—Colby Decorating Co., Lyric Bldg., has painting contract for \$50,000 addition to Bank of Ensley; Warren, Knight & Davis, Archts., 1603 Empire Bldg.; Davis Co., Contr., 2023 Avenue C, all Birmingham.*

Ala., Ensley—Chas. W. Rowe Co., 405 N. 24th St., has painting contract for alterations and additions to Ensley National Bank; D. O. Whilldin, Archt., 515 N. 21st St.; Davis Co., Contr., 2023 Avenue C, all Birmingham.

Ala., Graves Mines—Southern Clay Manufacturing Co., Lewisburg, erect brick office bldg.; 1 story, 24x71 ft., composition roof; E. R. Maynard, Contr., 2318 Ensley Ave., Birmingham.

Fla., Lakeland—George E. Hoffman, Local Mgr., Public Theaters Corp. See Contracts Awarded—Theaters.

Miss., Biloxi—Biloxi Bank & Trust Co., recently organized, erect \$40,000 building, Howard Ave. and Main St.; brick, 2 stories, 40x70 ft.; Carl Matthes, Archt.; Manuel & Wetzel, Contrs.*

Miss., Natchez—Mosler Safe Co., Hamilton, O., has contract to install Donsteel vault in connection with remodeling City Bank & Trust Co. building; Weiss & Dreyfous, Archts., Maison Blanche Bldg., New Orleans; bids in.*

Okl., Blanchard—First National Bank let contract at \$9020, including heating, to A. O. Mattox for bank and office building; brick, concrete foundation, 1 story, 25x140 ft., composition roof, marble, tile and concrete floors, oak finish, hot air heat; E. H. Eads, Archt., Chickasha.*

Tenn., Chattanooga—Chattanooga Savings Bank & Trust Co. let contract to Steelcrete Constr. Co., 11319 Liberty Ave., Brooklyn, N. Y., for walls for vaults in \$1,000,000 bank and office bldg., Eighth and Broad Sts.; R. H. Hunt Co., Archt., James Bldg.; contract lately noted let for excavation and foundation.*

Tenn., Memphis—Columbian Mutual Life Society, L. T. Benford, Pres., remodel lower part of Columbian Tower; Chas. A. Wenar, Contr., New Orleans, La.; wiring, Fowler Electric Co., 118 Monroe St.; plumbing, W. S. Kincaid & Son, 1240 Forest Ave.

Tex., Corpus Christi—S. M. Nixon and associates let contract at \$156,263 to Lon T. Wright & Co., Builders Exchange, for office building; plumbing and heating, \$20,587, to A. H. Shafer, 418 St. Marys St.; wiring, \$5478, Braden-Hudson-Wrangler Co., 305 E. Commerce St.; fire escapes, \$1868, Southern Steel Co., 4700 block S. Presa St., all San Antonio; elevators, \$16,783, Otis Elevator Co., 820 Young St., Dallas; structure fireproof, face brick, stone, terra cotta, tile and reinforced concrete, 8 stories, 50x100 ft., tile corridors, cement office floors, concrete foundation and footings; Adams & Adams, Gibbs Bldg., San Antonio, and Chas. T. Fincham, City Nat. Bank Bldg., Corpus Christi, Asso. Archts.*

Tex., Dallas—Dallas National Bank, J. D. Gillespie, Pres., let contract on cost-plus basis to Henger & Chambers, Slaughter Bldg., for \$500,000 bank and office building; reinforced concrete and steel, Bedford limestone trim, vitrified brick side and rear walls, 15 stories and basement, 53x100 ft., marble lobby and banking room finish, terrazzo floors, 4000 safety boxes, automatic push-button elevators, bronze entrance gates, ventilating system, call systems and pneumatic dispatch facilities in banking quarters; Cohn, Smith & Evan, Archts.*

Tenn., Dickson—Citizens National Bank let contract to Haile, Williams & Wells, Nashville, for \$30,000 brick and stone building; contract let. See Machinery Wanted.*

Tex., Galveston—Max Levy Electric Co. has wiring contract for \$100,000 gen. office and sales dept. bldg. for Galveston Electric Co.; oil burning equipment, Henry Runge;

R. R. Rapp, Archt., 417 Guaranty Bldg.; Robt. J. Cummins, Engr., Bankers Mortgage Bldg., Houston; M. C. Bowden, Contr., 18th St. and Avenue C. (See Machinery Wanted.)*

Churches

Ala., Birmingham—Otis Elevator Co., 2310 Third Ave., has contract to install 2 elevators in First Baptist Church; cost \$5792 each; also install 2 elevators at 1910 Third Ave., for M. H. Crittenden; cost \$6100 and \$5300.

Fla., Ocala—First Baptist Church erect \$150,000 building under supervision of A. W. Dobson; face brick, hollow tile, 4 stories at rear, 111x87.6 ft., wood and cement floors, concrete foundation, built-up roof; Geo. McKay & Co., Archts.*

Fla., Tampa—D. W. Chapman, Builders Exchange Bldg., has heating and plumbing contract for \$200,000 First Christian Church under construction by Marshall-Jackson Co., Inc., 350 Hyde Park Ave.; electric work, Hale & Burke Electrical Co., 1503 Grand Central St.; roofing and sheet metal, Tampa Sheet Metal Works, 111 Main St., all Tampa; millwork, Selden Cypress Door Co., Palatka; structure, steel columns and girders, wood joist and partitions, brick walls, tile roof, 4 and 2 stories, 65x118 ft. and 44x84 ft., cement and wood floors, tile roof; R. H. Hunt Co., Archt., James Bldg., Chattanooga, Tenn.; Jas. Knox Taylor, Engr., Warner Bldg. See Machinery Wanted.*

Md., Baltimore—Grace and St. Peter's P. E. Church, Dr. H. P. Almon Abbott, Rector, let contract to B. F. Bennett Building Co., 123 S. Howard St., for \$150,000 parish house, Park Ave. and Monument St.; 4 stories and basement, reinforced concrete, brick and steel; Waldemar Ritter, Archt., Brookline, Mass.*

Mo., St. Louis—Trinity Lutheran Church, Eighth and Lafayette Sts., erect \$16,000 building, 1809 S. Eighth St.; 1 story, 63x40 ft., brick, composition roof; Kenneth Wischmeyer, Archt., 7136 Waterman St.; Kenton Construction Co., Contr., Wainwright Bldg.

Okl., Oklahoma City—Wesley Methodist Church, Rev. Wm. Forney Hovis, Pastor, let contract to H. M. House & Co., 637 W. Main St., for \$50,000 building.

Tenn., Dayton—Cumberland Presbyterian Church let contract to Mr. Robinson for \$30,000 building; brick and steel, 2 stories, tile roof; Manley, Young & Meyer, Archts., Knafle Bldg., Knoxville.*

Tenn., Johnson City—First Presbyterian Church is excavating for foundation of \$75,000 Sunday school, Boone St.; brick, 3 stories and basement; assembly room and gymnasium on top floor; D. R. Beeson, Archt., Johnson City; Dougherty & Gardner, Asso. Archts., Stahlman Bldg., Nashville.*

Tenn., Knoxville—Oakwood Methodist Church laying foundation of \$50,000 building, 314 Burnwell Ave.; 2 stories, balcony, basement; Lynn Hayes, Contr., Deadrick Bldg.

Tenn., Memphis—Blessed Sacrament R. C. Church, Rev. J. T. O'Connor, Pastor, erect parsonage, Hale Ave. and Binghamton St.; buff brick, stone trim, red shale tile roof, 4 baths, hot-water heat; Regan & Weller, Archts., Bank of Commerce Bldg.; J. C. Perryman, Contr., 273 Gaston St.

Tenn., Memphis—Lindsay Memorial Presbyterian Church, Rev. A. T. Lindsay, Pastor, let contract to W. C. Owen, Rand Bldg., for \$60,000 building, Dickerson and Tutwiler Sts.; brick and stone, 3 stories and basement, 101x64 ft., composition roof, 20 art glass windows, misc. steel, hot water heat; Hubert T. McGee, Archt., 801 Fidelity Bank Bldg.*

Va., South Boston—Main Street Methodist Church erecting brick building; 2 stories and basement, 42.4x71.5 ft., tin roof; Baskerville & Lambert, Archts., Travellers Bldg., Richmond; Boston Lumber & Builders Corp.,

Dwellings

Ala., Bessemer—T. R. Bradley erect \$12,000 residence; brick veneer, 1 story and basement, tile roof, hardwood floors, steam heat; Denham, Van Keuren & Denham, Archts., 407-11 Age-Herald Bldg.; Strozler & Luquire, Contrs., both Birmingham.

Ala., Birmingham—Frank Carlton, Central Park, erect \$11,000 residence; frame, 1 story, composition roof, hardwood floors, steam heat; Denham, Van Keuren & Denham, Archts., 407-11 Age-Herald Bldg.; Strozler & Luquire, Contrs.*

Ala., Birmingham—Dr. A. B. Harris, Age-Herald Bldg., remodel frame residence; composition roof; D. O. Whilldin, Archt., 517 N. 21st St.; Bush & Perusini, Contrs., 205½ N. 21st St.

Ala., Birmingham—Frank R. Hecht, 2028 Humboldt Ave., has plumbing and heating contract for \$40,000 residence for H. W. Matthews, 1921 N. First Ave.; Warren, Knight & Davis, Archts., 1603 Empire Bldg.; Paul Bros., Contrs., 1810 Tuscaloosa Ave.

Fla., Cocoa—Douglas Gibbons let contract for residence, Grove Park, Merritt Island; English Colonial type, 2 stories; A. B. Jaeger & Son, Contr.

Fla., DeLand—E. E. Burns started work on \$12,000 residence, W. New York and Orange Aves.; rough faced brick.

Fla., Dunnellon—Minnetristra Corp., J. F. Cocowitch, Pres., erect 2 dwellings; Spanish and English types; Bunch Construction Co., Contr.

Fla., Jacksonville—Harriet S. Trezivlany erect \$16,000 residence, Ribalu Court near Richmond St.; 2 stories, brick veneer; H. Taylor & Son, Contrs., 903 Lackawanna St.

Fla., St. Augustine—J. W. Johnson, care Fort Marion Electric Co., erect residence Santa Rosa Drive, Santa Rosa subdivision; Spanish type; cost about \$10,000; United Construction & Engineering Co., Contr.

Fla., St. Petersburg—Cook & Foster erecting 5 stucco dwellings, 28th Ave., South, near Seventh St.

Fla., Winter Haven—John A. Snively, Pres., Haven-Villa Corp., erecting \$121,000 residence, Eloise woods near Winter Haven.

Ga., Augusta—Mr. Drury erecting \$100,000 residence and servants' quarters, Milledge Rd.; C. B. Holley, Contr., 1810 Walton Way.

Ga., Augusta—Mr. Jones, Pittsburgh, Pa., erect additions to residence, Milledge Rd.; Griffin-Hodges, Contrs., Bona Allen Bldg., Atlanta, Ga.

Ga., Augusta—C. H. Phinizy, 1304 Monte Sano Ave., erecting \$27,000 residence, 2611 Walton Way; brick, 2 stories, 8 rooms, tile roof; Willis Irvin, Archt., Lamar Bldg.; Branch & Smith, Contrs.*

Ga., Augusta—Mrs. Irvin Alexander, Walton Way Apt., remodeling residence, Walton Way; Willis Irvin, Archt., Lamar Bldg.; Sibert & Robison, Contrs., 126 Eighth St.*

La., Alexandria—Dr. P. K. Rand erect \$12,000 residence; brick veneer, 2 stories; C. Scott Yeager, Archt.; E. T. Elam, Contr.

La., New Orleans—R. O. Vorbusch, Hibernia Bldg., erect residence, State St. near Willow St.; work by sub-contracts.

La., New Orleans—Jas. R. Spears, 5015 Howard St., erect 3 duplexes and 3 double cottages, Sixth and Washington Sts.; total cost \$24,500; A. G. Darden, Contr., 2201 Wirth Place.

La., New Orleans—People's Homestead Association, 327 St. Charles St., erect 2 single frame bungalows, Willow and Joseph Sts.;

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total cost \$18,000; Paul G. Charbonnet, Contr.

La., Shreveport—S. N. Young, 326 Herndon Ave., erecting \$20,000 brick duplex, 501 Kirby Place; 2 stories, 35x65 ft., oak floors, composition roof; plans and construction by owner. See Machinery Wanted.

Md., Baltimore—Alice C. Caspari, 2807 Mt. Holly St., erect \$10,000 frame residence, Lake Ave., near Roland Ave.; 2 stories, 38x26 ft., slate roof, hot-water heat; S. R. MacLellan, Archt., 2807 Mt. Holly St.; B. L. Dowell, Contr.

Md., Baltimore—John J. Dubbelde, Gwynns Falls Parkway and Rosedale Ave., erect 36 brick dwellings, 3000 and 3100 blocks Gwynns Falls Pkwy.; 2 stories, 22x36 ft., hot-water heat; total cost \$150,000; Wm. D. Lambdin, Archt., 513 N. Charles St.; owner builds.*

Md., Baltimore—Peter Grogan Estate, Inc., Biddle St. and Lakewood Ave., erect 12 brick dwellings, N. side Biddle St. E. of Luzerne Ave.; 2 stories, 14x44 ft., Carey roofs, hot-water heat; total cost \$43,200; F. E. Beall, Archt., 306 St. Paul St.; owner builds.

Md., Baltimore—Oscar E. Habicht, 105 S. Belair Rd., erect 10 frame dwellings, S. side Summerfield Ave. E. of Franklin Ave.; 24x24 ft., 1½ stories, steam heat; total cost \$26,000; plans and construction by owner.

Md., Baltimore—Oakdale Building Co., erect 2 brick dwellings and garage, N. E. cor. Cross Country Blvd. and North Ave.; 2 stories, 30x26 ft. and 20x20 ft., slate roofs, steam heat; total cost \$12,000; F. E. Beall, Archt., 306 St. Paul St.; owner builds.

Md., Baltimore—J. Leroy Wright, 14 Shirley Ave., erect 3 frame dwellings, S. W. cor. Ravenna and Wedma Aves.; 1½ stories, 24x28 ft., shingle roof, hot air heat; total cost about \$10,000; plans and construction by owner.

Md., Baltimore—Henry Wehr erect \$20,000 brick residence, St. Paul Ave., near Highfield St.; 2½ stories, 56x60 ft., slate roof, hot-water heat; W. H. Emory, Jr., Archt., 18 E. Lexington St.; Henry Pierson & Son, Contrs., 1221 Hanover St.

Mo., Clayton, St. Louis—C. J. Rabenau, 6663 Clemens St., erect \$11,000 tile stucco residence, Boland Drive, Moorlands; 48x33 ft.; Wm. Ferns & Co., Contrs., 2929 Locust St.

Mo., Clayton, St. Louis—Bruce Seddon, Bank of Commerce Bldg., erect \$16,000 brick residence, Wydown Blvd.; 52x26 ft.; La-Beaume & Klein, Archts., Compton Bldg.; Gillespie E. Doly, Contr.

Mo., Kansas City—A. S. Bird, Pres., Piggy-Wiggly Bird Co., 1401 St. Louis Ave., erect residence, Huntington Rd. and Bellevue Ave.; over burned brick, native stone, stucco and variegated slate exterior; 2-car garage with maid's room and bath above; Elmer Boillot, Archt., 1202 Scarritt Bldg.; excavating.

Mo., Kansas City—J. H. Hemme, Kansas City, Kan., erect 7 bungalows, Euclid Ave. S. of 39th St.; excavating.

Mo., Maplewood, St. Louis—Fred J. Hornekamp erect 3 brick dwellings, Easton St.; 1 story, 24x43 ft.; total cost \$15,000; owner builds.

Mo., St. Louis—J. C. Greulich Realty & Investment Co., 3111 N. Grand Blvd., erect 3 brick dwellings, 8622-25-30 Trafford Lane; 1 story, 25x46 ft., asbestos shingle roof, furnace heat; total cost \$13,500; S. O. Schumacher, Archt., 3622 Keokuk St.; owner builds.

Mo., St. Louis—L. Hunicke, 4620 Carter St., erect 2 brick dwellings, 4356-57 Shreve St.; 1 story, 17x47 ft., ruberoid shingle roof, hot-air heat; total cost about \$10,000; plans and construction by owner.

Mo., St. Louis—M. Lewis, 819 Chestnut St., erect 4 brick dwellings, 957-59-63-65 Canaan St.; 1 story, 24x34 ft., composition roofs, hot-air heat; total cost \$12,000; J. L. Jacobs, Contr., 5707 Spalding St.

Mo., St. Louis—Gast Realty & Investment Co., 2 Gast Place, erect 2 brick dwellings, 4831-33 Lee St.; 1-story, 25x40 ft., asphalt shingle roofs, hot air heat; total cost \$13,000; J. W. Gedney, Archt.-Contr., 1013 Hornsby St.

N. C., Asheville—C. H. Bartlett, 20 Clayton St., erecting \$10,000 residence, 151 St. Dunston Rd., by day labor; brick veneer, 2 stories, 36x38 ft., hardwood floors, composition roof; D. H. Taylor, Archt., 4 Clayton St.; foundation in.*

N. C., Durham—T. T. Frazier, Buchanan Blvd., let contract for brick veneer residence, Urban Ave. and Buchanan Blvd., to J. H. Johnson, Hillsboro St., West Durham; 2 stories, 27x48 ft., concrete and brick foundation,

slate roof, cost about \$10,000; C. M. Euler, Archt., First Nat. Bank Bldg.; excavating.*

S. C., Barnwell—Eugene Grace erect additions to residence; Willis Irvin, Archt., Lamar Bldg., Augusta, Ga.

S. C., Greenville—Mrs. Lottie B. Mary Lawton erect \$11,000 residence, 12 Williams St.; 41.6x43.2 ft., 2 stories, brick veneer; E. J. Gibson, Contr., 58 Rutherford St.

Tenn., Chattanooga—Dr. Joe W. Johnson and W. J. Arnette erect number \$10,000 and \$12,000 dwellings, Talley Rd. opp. Orchard Crest subdivision; contract let for first unit.

Tenn., Memphis—J. J. Mulroy, care Wilson Ward Co., 94 Union Ave., erect \$12,000 residence; brick veneer or stucco, 46x60 ft., composition roof, oak floors, tile bath, hot water heat, garage; Estes W. Mann, Archt., Cotton Exchange Bldg.; L. L. Diehl, Contr., 1663 Forrest Ave.

Tenn., Memphis—J. B. Reeves, 1020 S. Meda St., erect brick veneer residence; cost about \$10,000, 2 stories and basement, composition roof, oak floors, tile bath, hot water heat, garage; H. E. Brooks, Contr., 127 Monroe Ave.

Tenn., Memphis—M. G. South, 307 Central Bank Bldg., erect 2 brick veneer dwellings, 735-09 Maury St.; 1 story and basement, 28x47 ft., composition roof, oak floors, tile bath, hot water heat, garage; South, Whitten & Haley, Contrs., 307 Central Bank Bldg.

Tex., Corpus Christi—L. M. Shepardson erect residence, Retama Blvd., Country Club Place; 7 rooms, 2 baths, shower, frame and stucco; Jack Lincoln, Contr.; material by L. D. Garrison Lumber Co., 1221 Mestina St.

Tex., Houston—Meyer & Campbell, 562 Rosalie St., erecting \$25,000 duplex, 2501 Crawford St.; brick veneer, 2 stories, 78x45.8 ft., hardwood floors, copper clad roof; furnishings, equipment, etc., \$5000; Hugh Putman, Contr., 1407 Oxford St. See Machinery Wanted.*

Tex., Houston—Lightfoot-Bolton Construction Co., 3103 Main St., erecting \$10,000 dwelling, 1610 Missouri St.; 6 rooms, brick veneer.

W. Va., Huntington—S. W. Patterson, 1637 Fifth Ave., completed foundation of \$65,000 residence; stone and brick and concrete, 2½ stories, 37x96 ft., oak, tile and marble floors, tile foundation; C. C. & A. E. Weber, Archts., Ingalls Bldg., Cincinnati, O.; C. W. Harer, Contr., Euclid Place.*

Government and State

Fla., Fort Lauderdale—Stetson, Inc., erect \$10,000 post office addition to Progresso community building nearing completion, 21st St., Avenue E and Dixie Highway; F. C. Arnold, Archt.

Hospitals, Sanitariums, Etc.

Ala., Gadsden—Etowah County Tuberculosis Assn., let contract to Walter Teple, for \$20,000 sanitarium building at fresh air camp, Lookout Mountain, 20x70 ft. with two 20x60-ft. wings; A. D. Simpson, Archt.*

Md., Baltimore—Johns Hopkins Hospital erect \$50,000 building for kitchens; 3 stories, 37x56 ft., brick; Jos. Evans Snerry, Archt.; B. F. Bennett Building Co., Contr., 123 S. Howard St.

Mo., Kansas City—St. Luke's Hospital let contract to Long Construction Co., 600 Rialto Bldg., for 4-story fireproof addition to nurses' home; reinforced concrete frame and floors, brick and terra cotta exterior, 2 stories, 117x35 ft., tar and gravel roof, stone foundation; Keene & Simpson, Archts., 1005 Land Bank Bldg. See Machinery Wanted.*

Tex., Wichita Falls—Drs. T. H. Parmley and W. H. Ogden let contract to Taylor Bros., 302 Oak St., for \$125,000 hospital.

Va., Richmond—City let contract at \$10,288 to F. H. Boatwright, 1904 Fourth Ave., for contagious disease pavilion at City Home; brick, 1 story, 102.6x34.7 ft., hardwood and tile floors, concrete foundation, slag roof; furnishings, equipment, etc., \$2500; Carneal & Johnston, Archts., Va. Ry. & Power Bldg. See Machinery Wanted.*

Hotels and Apartments

Ala., Birmingham—E. R. McDavid, Sr., First Natl. Bank Bldg., let contract to Earl Cline, 1800 Sixth Ave. N., for 4-story and basement, brick, terra cotta and steel, 96x100 ft. hotel, Fourth Ave. and 24th St.*

Fla., Fort Pierce—Theodore H. Kertcher, Elmira, N. Y., started work on \$100,000, U-shaped, 16-family apartment house in San Lucie Plaza; Arthur Beck, Archt.; J. K. Shinn & Co., Contrs.

Fla., Jacksonville—Realty Construction Co., Main and Forsyth Sts., let following subcontracts on \$500,000, 14-story Park Lane co-operative apartment building, St. Johns River at foot of Margaret St.; George H. Keefe, St. James Bldg., steam heat—Dunham system and plumbing; John S. Graham, College St., plastering; Otis Elevator Co., 210 E. Forsyth St., automatic elevators; United States Gypsum Co., 205 W. Monroe St., Chicago, Ill., exterior walls and gypsum partitions; Building Products Co., Cleveland, Ohio, tin-pan floors; owners are The Times Corp., 508-10 West Bldg.*

Fla., Lakeland—W. C. Owen & Co., Contrs., will erect \$25,000, co-operative 8-apartment house on Boulevard Ave.

Fla., Melbourne—A. S. Widrig, head of syndicate, started work on \$250,000 Lincoln Hotel in Magnolia Park; W. M. Christen, Archt.

Fla., Ocala—Day & Zimmerman Engineering & Construction Co., 1600 Walnut St., Philadelphia, Pa., let contract to E. F. Gibbons Construction Co., Jacksonville, for superstructure for Hotel Marion, Magnolia and Washington Sts.; 102 rooms, fireproof; Dr. J. E. Chase, Pres., Board of Directors community hotel.*

Md., Baltimore—Eutaw Apartment Co., care George R. Debnam, Jr., Union Trust Bldg., let contract to J. Henry Smith, 300 E. Third St., for remodeling and enlarging building at 1202 Eutaw Place for 14 kitchenette apartments; Wm. W. Emmart, Archt., Union Trust Bldg.*

Miss., Meridian—Meyer-Florida Hotel Co., T. P. Florida, Sec.-Treas., Gilmer Hotel, Columbus, recently let contract including heating, plumbing, electrical work, elevators and mail chute to Gauger-Korsmo Construction Co., 910 Fidelity Bank Bldg., Memphis, Tenn., for \$650,000, 111.3x75 ft., 11-story, reinforced concrete frame, terra cotta and brick trim Lamar Hotel Bldg., Fifth and 21st Sts.; partitions steel channels with metal lath plastered; 173 rooms all with private baths and of which 10 are sample rooms; P. J. Krouse, Archt.*

Miss., Waynesboro—H. B. Graves & Co., let contract to Bradley Brothers, Laurel, for \$55,000, 3 story, brick, 40-room hotel on Front St., to be operated by Mr. and Mrs. E. B. Davis; P. J. Krouse, Archt., Meridian.*

Mo., Kansas City—Knickerbocker Hotel Co., care J. S. White and A. R. Young, let contract to Manhattan Construction Co., 615 Pioneer Trust Co. Bldg., for 12-story, 325-guest room hotel, Broadway and Valentine Road; plans by Mr. White.*

Mo., St. Louis—Ada Building & Investment Co., 808 Chestnut St., erect 34x51 ft., \$10,000 tenement, 2521-3 Minnesota St.; also \$20,000, 54x105 ft. tenement at 4854 Chipewa and 4211-15 Lawn Sts., and \$10,000, 34x51 ft. tenement, 3014-16 Magnolia St. for L. W. Rubin, 808 Chestnut St.

Mo., St. Louis—W. B. Burgess, 1320 Marcus St., let contract to V. A. Chinberg, 808 Chestnut St., for two \$14,000, 2-story, brick, 24x51 ft., tenements, 4966-72 Chipewa St.; composition roofs, hot-air heat; O. J. Popp, Archt., Arcade Bldg.

Mo., St. Louis—L. F. Abrams, 1123 Chemical Bldg., erect three 2-story, 23x40 ft., brick tenements, 4232-8 Lucky St.; composition roof, furnace heat; S. Abrams & Co., Archts.-Builders, 1123 Chemical Bldg.

Mo., St. Louis—A. H. Kanning, 1109 Taylor St., erect \$20,000, 2-story, brick, 36x50 ft. tenement, 5103 Labadie and 3006-08 Norwood Sts.; tar and gravel roof, hot-air heat; H. W. Guth, Archt., 813 Chestnut St.; owner builds.

Mo., St. Louis—R. R. Rosemond Co., 6115 Gravois St., erect two 2-story, brick, 25x46 ft. tenements, 5540-4 Milentz St.; \$14,000, tar and gravel roofs, hot-water heat; owner is Archt.-Builder.

Okla., Oklahoma City—D. B. Herriman, owner of Thornton Hotel, 104½ W. Grand Ave., broke ground for \$125,000, 5-story, brick apartment hotel at Ninth St. and Robinson Ave.; 13 three-room efficiency apartments, 21 single rooms and four 1-room efficiency apartments; J. D. Mathews, Archt., 2119 W. 18th St.

Tenn., Elizabethton—C. H. Hoback, Contr., remodeling Lynnwood Hotel on Elk Ave.; H. A. Dixon, Mgr.

Tex., Amarillo—Lee Crawford let contract to W. P. Cooper at about \$25,000 for 2-story, brick and concrete hotel building; private plans.

Tex., Amarillo—Julian Bivins let contract to W. P. Cooper, 512 Taylor St., at about \$75,000 for 3-story, 60x140 ft., face brick, stone trim hotel building; 58 rooms and 38

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baths, 1 passenger and 1 sidewalk elevator.
 Tex., Amarillo—M. S. Boyer started work on \$25,000, 2-story, brick and concrete hotel building by day labor.

Tex., Houston—Guardian Trust Co. associated with other interests in formation of corporation for erection of \$1,000,000, 9 story, fireproof, brick trimmed with stone or terra cotta, Romanesque type co-operative apartment building in South End, near Hermann Park; will be named "Park View"; Sibley & Fetherston, Archts., 101 Park Ave., New York; William Ward Watkin, Asso. Archt., Scanlon Bldg., Houston; Thomas T. Hopper Co., Contrs., Post-Dispatch Bldg.

Tex., Houston—J. W. Hitt, Marion and Henry Sts., erect \$15,000, brick veneer building with garage at 2208 Common St.; T. H. Rucker, Contr., 1913 Washington St.

Tex., Houston—C. N. Bates erect \$30,000 2-story, frame brick veneer, 8-apartment house at 4509 San Jacinto St.; Bates & Reich, Contrs.

Tex., Weslaco—R. L. Clark, owner of Weslaco Hotel, erecting \$10,000 addition to include 10 rooms, dining room and kitchen.

W. Va. Huntington—W. M. Meredith, Robinson-Prichard Bldg., will resume work on \$250,000 Park Tower Hotel, Fourth Ave. and Seventh St., for which structural steel work has been completed; work held up for nearly 2 years; 10 stories in front, 4 at rear; walls of brick and stone; L. J. Dean, Archt., Simms-Keller Bldg.; owner also Contr.

Miscellaneous

Ala., Florence—Florence Golf & Country Club, James H. Kilburn, Chmn. Building Committee, let contract to W. H. Hurd at \$19,400 for 2-story, frame, stone, reinforced concrete, 40x128 ft. clubhouse; wood and concrete floors, stone and concrete foundation, asphalt roof; Loyd Moffett, Archt., 218 Roberts Bldg.*

Fla., Clearwater—L. W. Fuller Construction Co. started work on \$100,000 palm bathing pavilion; 2 stories, contain indoor pool, dressing rooms and dining room opening on patio.

Fla., Daytona Beach—St. Paul's R. C. Church, Rev. Wm. J. Mullally, Pastor, let contract for addition to convent to Chauncey M. Walker. (See Buildings Proposed—Churches.)

Md., Baltimore—St. Stanislaus' R. C. Church Parish, care Franciscan Fathers, 700 Ann St., let contract to Consolidated Engineering Co., 20 E. Franklin St., for \$15,000, 3-story, 41x50-ft., brick convent building, S. W. cor. Aliceanna and Ann Sts.; slag roof, steam heat; Palmer, Willis & Landin, Archts., 516 N. Charles St.*

Va., East Radford—G. C. Phillips erect 60x100 ft. culb house and 100 bath houses; concrete and wood construction, maple floors, metal roof, \$10,000; work by day labor under supervision of Orwen & Dodds, Radford.

Railway Stations, Sheds, Etc.

Fla., Miami—Florida East Coast Rwy Co., H. N. Rodenbaugh, Ch. Engr., St. Augustine, let contract to W. P. Thurston Co., Inc., Malaga St., for \$200,000, 4-story, 60x200-ft., reinforced concrete addition to freight depot, S. W. First Ave. and Miami River; Henry McCarroll, Archt., 149 Washington St., both St. Augustine.

Fla., St. Petersburg—Seaboard Air Line Railway Co., W. D. Faucette, Ch. Engr., Savannah, Ga., erecting for Tampa & Gulf Coast R. R. a brick freight depot at 22nd St. and Fifth Ave.; brick with face brick front, 50x380 ft.; include open platform 60x60 ft. and covered automobile platform 30x170 ft.; Elliott Building Co., Contrs., Hickory, N. C.

Schools

Ala., Opelika—Pepperell Manufacturing Co., Singleton Cook, Agent, let contract to Batson-Cook Co. for \$15,000, 6-room school building; 6 rooms, basement for steam heating plant.

Ala., University—Skinner-Maxwell Building Co., 908 Merchants Bank Bldg., Tuscaloosa, let following sub-contracts on \$122,265, 3-story Chemical Laboratory at University of Alabama; O. F. Cole, vapor steam heat and plumbing; Elabash Electric Co., electric work; Tuscaloosa Paint and Decorating Co., painting; Turner & Scholl, roofing and sheet metal; all Tuscaloosa; Columbus Marble Works, Columbus, Miss., cut stone; Binswanger & Co., 655 Union St., Memphis, Tenn., glass and glazing; Decatur Cornice and Roofing Co., Albany, Ala., ornamental iron and structural steel; Truscon Steel Co., 3200

Avenue D, reinforcing steel; Detroit Steel Products Co., Age-Herald Bldg., steel sash; both Birmingham.*

Ark., Blytheville—School Board recently let contract to W. W. Yarbrow Co., Memphis, Tenn., at \$19,000, for East ward school.

D. C., Washington—District Commissioners, Room 509 District Bldg., let contract to Parsons & Hyman, Equitable Bldg., at \$1,974,644 for erection of 1, 2 and 3 story McKinley Technical High School, Second and T Sts. N. E.; A. L. Harris, Municipal Archt., District Bldg.*

Fla., Belleaire—Pinellas County Board of Public Instruction, R. S. Blanton, Supt., Clearwater, let contract to F. J. Mason, Central Natl. Bank Bldg., St. Petersburg, at \$116,007, for erection of school; A. C. Schirmer, heating and plumbing at \$13,757; also let contract to J. L. Graham, Clearwater, for heating and plumbing addition to North Ward School at \$6900.*

Fla., Gulfport—Pinellas County Board of Public Instruction, Clearwater, let contract to Franklin J. Mason Co., Central Bank Bldg., St. Petersburg, for \$225,000, 23-room, stucco on hollow tile junior high school; Emmett J. Hull, Archt., 21 Magnolia Arcade, St. Petersburg.

Fla., Lake Worth—Arnold Construction Co., Kelsey City, and C. C. Warner Contracting Co., West Palm Beach, started work on two 12-room school buildings, for School Board.*

Fla., West Palm Beach—Palm Beach County Board of Public Instruction let contract to Chalker, Lund & Crittenden, at \$38,000, for 1-story addition to South Palm Beach school; 2 units, 25x100 ft., concrete foundation, wood floors, tile and Johns-Manville roofing; Bradenburg Electric Co., Inc., electric work; William Fraser, painting; George Hanbury, stucco and plastering; E. C. Hilker, plumbing; King & Campbell, Archts.*

La., Bastrop—Morehouse Parish School Board, E. D. Shaw, Supt., let contract to A. G. Simms, Lake Village, Ark., at \$13,430 for remodeling and repairing High School building; J. W. Smith, Archt., Ouachita Bank Bldg., Monroe.*

La., Delhi—Richland Parish School Board let contract to Brashear & Ruddell, Texarkana, at \$121,000, for 2-story brick elementary and high school building; 36 classrooms, composition roof; J. W. Smith, Archt., Ouachita Bank Bldg., Monroe.*

La., Lafayette—Lafayette Parish School Board recently let contract to Hopkins Brothers Co., Inc., at \$13,983, for 1 story, frame colored school with auditorium; cement tile (Spanish) roof, edge grain pine floors, brick foundation; H. H. Sammons, electric work; Arthur Shay, painting; George Guchreau, brick work; John J. Graser, metal work; Wm. T. Nolan, Archt., Canal Commercial Bldg., New Orleans.*

La., Marksville—Avoyelles Parish School Board let contract to Knapp & East, Kaufman Bldg., Lake Charles, at \$96,891 for 2-story, brick and concrete high school building; tile, concrete and wood floors, reinforced concrete foundation, composition roof, interior tile, metal doors, steel sash and trim, wire glass, ventilators, marble, cast stone; Wm. T. Nolan, Archt., 1026 Canal Bank Bldg., New Orleans.*

Md., Hagerstown—St. James' School, Dr. Adrian H. Onderdonk, headmaster, broke ground for \$150,000 Colonial type, 60-room building, replace structure burned; Mottu & White, Archts., 527 N. Charles St., Baltimore.*

Md., College Park—University of Maryland, care Samuel Shoemaker, 816 Fidelity Bldg., Baltimore, recently let contract to Price Construction Co., Maryland Trust Bldg., for 3-story and basement, brick and reinforced concrete, 73.9x112.4 ft., \$240,000 Chemistry Building; Smith & May, Archts., Calvert Bldg., both Baltimore.*

Miss., Scooba—Kemper County Board of Education, De Kalb, recently let contract to McArthur & McLemore, Meridian, for 1-story, 246.2x137.2-ft. Agricultural High School; face brick and hollow tile, built-up asphalt roof, wood floors, plastered walls, concrete foundation; City Plumbing Co., Meridian, plumbing and wiring; Burt Stuart, Archt., Meridian.*

Mo., Webb City—School Board, A. G. Webb, Clerk, let contract to A. S. Greenwell Construction Co., 802 Joplin St., Joplin, at \$19,785 for West Side School building; Hawkins & Abbott, Archts., McDaniel Bldg., Springfield.*

N. C., Durham—Duke University let contract to The Seeley Co., Inc., 101 Building, Atlanta, Ga., for furnishing and installing power house and tunnel piping. See Con-

struction News—Electric Light and Power Plants.

Okla., Enid—Board of Education let contract to Phil Frankfelt, Winfield, Kan., at \$41,980, for 2-story, brick, 60x80-ft., fireproof Woodrow Wilson school building, N. Tenth and Chestnut Sts.; William F. Black, plumbing at \$1800.

S. C., Cameron—Board of Education let contract to W. A. Cray & Son, Columbia, for additions to school and auditorium; Lafaye & Lafaye, Archts., 1224 Sumter St., Columbia.*

S. C., Rock Hill—Winthrop College, Dr. D. B. Johnson, Pres., let contract to Palmer-Spivey Const. Co., 404 S. Tryon St., Charlotte, N. C., at \$63,500, for erection of Teachers' Dormitory Building; J. L. Powers, Bennettsville, heating and plumbing, \$5138; Edwards & Sayward, Archts., 101 Marietta St., Atlanta, Ga.*

Tenn., Chattanooga—Hamilton County Board of Education let contract to Fred Varner, at \$15,899, for first unit of White Oak school; R. W. Arnold, Volunteer Life Bldg., for addition to Southside School, at \$16,000, and to Selman & O'Brien, Hixon Park, for addition at Eastdale, at \$17,498; Dougherty & Gardner, Stahlman Bldg., Nashville, Archts. for White Oak and Southside; Chas. Bearden, First Natl. Bank Bldg., Archt. for Eastdale.*

Tenn., Knoxville—Lewis S. Pope, Commissioner of Institutions, Nashville, let contract to C. L. Nicholson, at \$43,000, for fireproof building at School for the Deaf; Marr & Holman, Archts., Stahlman Bldg., Nashville.*

Tenn., Madisonville—Monroe County Board of Education let contract to Watson Manufacturing Co. for 2 schools at Brakebill and Sutton's Chapel.

Tenn., Riceville—McMinn County Board of Education, Athens, recently let contract to Young & Stoner, Sweetwater, for 10-classroom and auditorium, 133x103-ft. school building; Manley, Young & Meyer, Archts., Knaffle Bldg., Knoxville.*

Tex., Lake Victor—Board of Education let contract to John Drew, Lometa, for \$15,000 brick school building.

Tex., Mercedes—Board of Education, Fred Johnston, Pres., let contract to H. J. Hansen & Son, Brownsville, at \$110,000 for 1 and 2-story, 14-classroom and auditorium Junior High School and 1-story, 10-room Mexican Ward school; both brick, tile and reinforced concrete, fireproof construction; Elwing & Mulhausen, Archts., Harlingen.*

Tex., Pharr—Board of Education, Van Williams, Pres., let contract to Homer T. Fitch, Brownsville, at \$63,200 for 2-story, fireproof school addition; 2 wings 59x30 ft., auditorium 80x52 ft., wood and cement floors, reinforced concrete foundation, composition roof; Page Brothers, Archts., P. O. Box 843, Austin; M. L. Diver, Engr., San Antonio.*

Tex., Wichita Falls—Board of Education, care B. D. Sartin, County Judge, let contract to L. J. Gentry, Henrietta, at \$22,660 for 2-story, brick, 127x50-ft. school building at Cashion School District; Voelcker & Dixon, Archts., 4 Kahn Bldg.*

Va., Harrisonburg—Eastern Mennonite School erecting \$35,000 to \$40,000, 4-story, brick and stone addition to main building.

W. Va., Williamson—Mingo County Board of Education let contract to Boone & Esom, Bluefield, for construction of Matewan High School and Thacker graded school; L. J. Dean, Archt., Simms-Keller Bldg., Huntington.

Stores

Ala., Birmingham—I. R. Kerr has contract for 2 brick store buildings on S. Railroad Ave.

Fla., Bartow—R. W. Burrowes has contract for concrete tile store building in East Bartow.

Fla., Miami—H. J. Henje, 242 N. E. 34th St., erect 2-story, \$10,000 store and apartment building, 3628 N. E. Second Ave.; A. Middernass, Contr., 58 N. E. 53rd Terrace.

Fla., Miami—B. Hyman erect 3 stores at 32 N. W. Fifth St.; S. Martin Ives, Archt., 579 S. W. Fourth St.; Louis Miller & Son, Contrs.

Fla., Orlando—Howard Phillips of Dr. P. Phillips & Sons, 24 W. Robinson St., let contract to Gaudier Construction Co. for 3 stores on Orlando-Winter Park Highway in Twin City; \$30,000, stucco with plate glass fronts, bronze decorations.

Fla., Sarasota—Dean Alvord erect \$27,000, 1 story, brick and tile store building; T. H. Crisp, Archt.-Builder.

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Fla., Wildwood—Dr. A. B. Albritton recently let contract to Jones Bros., Center Hill, for \$23,000, 2-story, concrete block and brick with face brick front building, contain 3 stores and 16 offices; 60x50 ft., concrete and wood floors, concrete foundation, built-up roof; Mr. Logan, plumbing and electric work. (See Machinery Wanted—Wire Glass.)*

La., New Orleans—Provident Building & Loan Assn., Whitney Bldg., let contract to Pearce Co., Inc., 1022 Peters Ave., for remodeling building, Coliseum, Mary and Chestnut Sts.; \$14,000.

Miss., Gulfport—Mansour Salloum, 25th Ave., let contract to Bailey & Brady for remodeling store building; Shaw & Woleben, Archts., Northrop Bldg.*

Mo., Maplewood—Stertzling Floral Co., 7260 Manchester Blvd., started work on \$12,500, 2 story, brick and steel, 35.8x27.8-ft. store with living rooms above; concrete foundation, hardwood floors, tar and gravel roof, equipment and furnishings cost \$5000; W. B. Rlesse, Archt. (See Machinery Wanted.)*

Mo., St. Louis—A. Fabianski, 5037 N. Union St., let contract to Hercules Contracting Co., Wainwright Bldg., for \$10,000, 50x118 ft., 1-story, brick store building, 5037 N. Union St.; composition roof; F. J. Kolb, Archt., 3955 Cleveland St.

Mo., St. Louis—M. Lange, 4908 Delmar, erect \$10,000, 2 story, 38x42 ft., brick store and tenement, 1509-11 Marcus St.; tar and gravel roof, steam heat; Ducommun & Dirks, Inc., Archts. and Builders, 4908 Delmar.

Tenn., Memphis—W. W. Fischer and William Fry, care Fischer Lime & Cement Co., 269 Walnut St., recently let contract to F. V. Ragsdale Co., Derron Bldg., at \$12,000 for remodeling 2-story building, 23 S. Third St., for stores; St. Louis Terra Cotta Co., 4417 Oleatha St., St. Louis, Mo., terra cotta; C. B. Lyon, Builders Exchange, masonry; Harker & Cairns, Archts., Hill Bldg.*

Tex., Alamo—Dr. R. D. Hudson let contract to L. E. Humphries for 1 story, brick store building.

Tex., Donna—Andrew Champion let contract to W. T. Liston & Son, Harlingen, for two 1 story, brick, 25x70-ft. store buildings; \$10,000.

Tex., Ozona—Joe Oberkamp started work on \$15,000, 1-story and basement, 33x100 ft. store building by day labor; concrete foundation, tile walls, metal ceilings, stuccoed exterior, plate glass front, built-up composition roof; J. W. Fuqua, Supt. of work. (See Machinery Wanted—Tile: Metal Ceilings; Steel Sash; Roofing (Composition).*)

Tex., Pelly—B. F. Amonette let contract

to R. E. Newton for \$42,000, 100x108 ft., 2-story, fireproof building on Main St.; stores on first floor, hotel above with 43 rooms and 5 baths, lobby.

Tex., San Antonio—St. Mary Street Improvement Co., care L. J. Hart, Gunter Bldg., recently let contract to Sumner Sollitt Co., Natl. Bank of Commerce Bldg., for remodeling interior and new front on stores from River and Strand Theater building on Houston St.; \$20,400, 1 story; Wright Brothers, 405 Main St., electric work; R. G. Thomas, 127 College St., plumbing; Alamo Iron Works, 130 Santa Clara St., miscellaneous and structural iron; Steeves Sash & Door Co., 602 Monterey St., millwork; John Healy, 120 Division St., plastering; Phelps & Dewees, Archts., Gunter Bldg.*

Tex., San Benito—Roy Clark Seed Co. let contract to H. J. Hansen & Son, Brownsville, at \$13,500 for store and warehouse building; Wm. Van Sclen, Archt., Brownsville.

Va., Richmond—Mrs. Strause let contract to F. W. Boatwright & Co. for two 2 story, brick stores at 214-6 E. Broad St.; \$30,000; Carneal & Johnson, Archts., Virginia Rwy. and Power Bldg.

Theaters

Fla., Lakeland—George E. Hoffman, local Mgr. Publix Theater Corp., announced contract let for erection of \$750,000 theater and office building; \$300,000 for theater, \$300,000 for commercial uses and \$150,000 for equipment.

Ga., Albany—Farkas Estate let contract to A. E. Ittner Co. for \$250,000 theater building for Gortatowsky Brothers; arcade and 2 foyers in connection, 1750 seating capacity; R. A. Benjamin, Archt., Bisbee Bldg., Jacksonville, Fla.*

Miss., Lexington—M. J. Thomas, Christopher, Ill., and C. T. Thomas, Cadiz, Ky., erecting \$10,000, 30x113-ft., brick, fireproof motion picture theater; N. P. Drennan in charge of construction; J. M. Spain, Archt., Millsaps Bldg., Jackson.*

Tex., San Benito—Ed Brady and Brown White let contract to W. J. Hansen & Son, Brownsville, at \$33,211 for 2-story, brick, stone and reinforced concrete theater building; Wm. D. Van Sclen, Archt., 9 Maltby Bldg., Brownsville.*

W. Va., Moundsville—Ferris Brothers announced work started on \$50,000 motion picture theater.

Warehouses

Fla., Jacksonville—H. C. Ploof, 401 Myrtle Ave., South Jacksonville, erect 2 story, steel

and concrete, 7500 sq. ft., fireproof storage warehouse, Walnut St. and Myrtle Ave.; work under supervision of J. F. Lyle.

Fla., Miami—Goodyear Tire & Rubber Co., 25 N. E. 25th St., erecting \$62,000, 3-story, 50x145.5-ft. reinforced concrete columns and girders tire warehouse; reinforced concrete foundation, built-up roof, concrete floors, concrete block curtain walls; Harris Bros., Plumbing Co., Inc., electric work; W. H. Pennell, 732 N. W. 34th Court, plumbing; Otis Elevator Co., 1 freight elevator; The St. John Co., Inc., Contra., 629 N. W. Seventh St.; Henry La Pointe, Archt.; Howard D. Hilborn, Engr., both Burdine Bldg.*

Fla., Tampa—United Markets, Inc., Allied Bldg., let contract to Gill & Winters, 410 Florabaska Ave., at \$102,766 for 5-story warehouse at Polk and Ashley Sts.; steel frame, brick curtain walls, wood joists, plank floors, reinforced concrete foundation, built-up roof, 10,000 sq. ft. per floor; Mann & Parziale, Archts., 210 Allied Bldg.*

La., Lake Charles—Lake Charles Harbor & Terminal Commission, Elmer E. Shutts, Engr., Asso. of Commerce Bldg., recently let contract to Knapp & East, Kaufman Bldg., for two 70x300-ft. steel warehouses; Houston Structural Steel Co., Yale and Center Sts., Houston, Texas, iron and steel work; Krause & Managan Lumber Co., Westlake; Johns-Manville, roofing; Plattman-Weeser Co., New Orleans, sheet metal work.*

Md., Baltimore—Fred & Sons, Inc., 423 W. Pratt St., let contract to H. J. West, Knickerbocker Bldg., for \$30,000, 1-story, brick, 167x154-ft. warehouse at 1201-13 S. Hanover St.*

Mo., Kansas City—United States Register Co., Battle Creek, Mich., erecting 3-story and basement, 86x100-ft., brick addition to present office and warehouse building at corner Fifth St. and Broadway; R. H. Sanneman, Archt., 519 Lee Bldg.; all contracts let.*

N. C., Charlotte—Union Warehouse & Storage Co., Cyril G. Smith, Pres., Palmer St., will let contract to J. A. Jones Construction Co., Realty Bldg., for \$100,000, 3 story, 80x100-ft. warehouse on W. Morehead St.

Tex., Corpus Christi—San Antonio Machine & Supply Co., 102 S. Chaparral St., let contract to J. W. Birmingham for \$10,000 1 story addition to warehouse on Chaparral St.

Tex., Mercedes—W. W. Aderson let contract to O. E. Van Berg for \$10,000, 1-story, 100x110 ft., reinforced concrete warehouse.

MACHINERY, PROPOSALS AND SUPPLIES WANTED

Acetylene Gas—H. T. Shanks, Purchasing Agent, Louisville & Nashville R. R. Co., L. & N. General Office Bldg., Louisville, Ky.—Receives bids June 21 for 4,000,000 cu. ft. per annum of acetylene gas in cylinders; delivered as required.

Air Compressor—Hackley Morrison Co. (Mchy. Dealer), 1708 Lewis St., Richmond, Va.—Wants one 500 cu. ft., 2 stage, belt-driven air compressor, working pressure 100-125 lbs. per sq. inch.

Air Receiver—Hackley Morrison Co. (Machinery Dealer), 1708 Lewis St., Richmond, Va.—Wants air receiver for compressor with 100-125 lbs. per sq. in. working pressure.

Aluminum Ware—U. S. Veterans' Bureau, Supply Dept., Washington, D. C.—Receives bids June 17 for aluminum ware, including 1000 jelly molds, 100 pudding pans, 100 saucepans, etc.

Art Glass—James Handley, Telephone Bldg., Tampa, Fla.—Wants prices on art glass for \$200,000 First Christian Church and Sunday school.

Bank Furnishings, etc.—Citizens National Bank, Dickson, Tenn.—Wants prices on equipment, etc., except vault door, for \$30,000 bank building.

Boilers—Sec. of the Mississippi River Comsn., 1311 International Life Bldg., St. Louis, Mo.—Receives bids June 22 to furnish 2 water tube boilers for steamer Mississippi.

Boilers—U. S. Veterans' Bureau, Supply Division, Washington, D. C.—Receives bids June 22 for 2 portable firebox boilers of down-draft type.

Boilers—R. P. Johnson (Mchy. Dealer), Wytheville, Va.—Wants dealers' prices on 15 to 35 h. p. locomotive type boiler on skids or vertical boiler, good for 150 lbs. steam working pressure, complete with all standard equipment; good used condition.

Boring Mill—Guyan Machine Shops (Mchy. Dealer), Logan, W. Va.—Wants boring mill, horizontal, with table about 20x30 in.

Box-Making Machinery—The Bunker Printing Products Corp., Sixth and Commerce St., Fort Worth, Tex.—Wants prices on box-making machinery of every type.

Bridge—Huntsville, Tex. See Construction News—Roads, Streets, Paving.

Bridge—Roanoke, Va., will build 2 bridges. See Construction News—Bridges, Culverts, Viaducts.

Bridges—Columbus, Ga., will build two bridges. See Construction News—Roads, Streets, Paving.

Bridge—Warsaw, Va. See Construction News—Roads, Streets, Paving.

Bridge—Clanton, Ala. See Construction News—Bridges, Culverts, Viaducts.

Bridge—Sebring, Fla. See Construction News—Roads, Streets, Paving.

Bridge—State of West Virginia will build 2 bridges. See Construction News—Roads, Streets, Paving.

Bridge—Clayton, La. See Construction News—Bridges, Culverts, Viaducts.

Bridge—State of Georgia will build 3 bridges. See Construction News—Roads, Streets, Paving.

Bridge—State of Alabama will build several bridges. See Construction News—Roads, Streets, Paving.

Bridge—State of Oklahoma will build 3 bridges. See Construction News—Roads, Streets, Paving.

Bridge—Huntington, W. Va. See Construction News—Bridges, Culverts, Viaducts.

Bridge—Orlando, Fla. See Construction News—Bridges, Culverts, Viaducts.

Bridge and Causeway—Vero Beach, Fla.

See Construction News—Bridges, Culverts, Viaducts.

Buffet Kitchen Cabinets—Penney-Gwinu Corp., Green Cove Springs, Fla.—Receives bids July 1 for 100 buffet kitchen cabinets.

Building Materials—William J. Stolz, 1526 Sedgwick Ave., Highbridge Sta., New York City—Wants sub-contractors' bids on fabricated structural steel, steel erecting, cutting of walls and rebricking, concrete floors and fireproofing for 3-story and roof addition to building at Washington, D. C.

Building Material—J. F. Blake, 923 Lemon St., Palatka, Fla.—Wants prices on steel sash and frames, steel for construction and for reinforcing concrete floors.

Building Materials—Big Rock Stone & Material Co., W. W. Dickinson, Pres., 111 Center St., Little Rock Ark.—Wants quotations on lime, cement, plaster, mortar colors and other building materials.

Candy-Making Machinery—R. L. Perdew, P. O. Box 490, Lake Wales, Fla.—Wants to communicate with manufacturers of candy-making machinery.

Cars—L. J. Breed Equipment Co. (Mchy. Dealer), 824 James Bldg., Chattanooga, Tenn.—Wants 30 second-hand 50-ft. steel under-frame standard gauge cars, flat or box.

Cast Stone—Meyer & Campbell, 562 Rosalie St., Houston, Tex.—Want prices on cast stone for \$25,000 brick veneer duplex.

Cast Stone—John E. Seavey, Brookhaven, Miss.—Wants prices on cast stone for \$30,000 store and cotton office.

Cast Stone—L. R. Wright, Archt., Box 117, Athens, Tex.—Wants prices on cast stone for \$60,000 hotel and stores.

Cast Stone—H. K. Morehead, 500 Jefferson St., Russellville, Ark.—Wants prices on cast stone for \$70,000 church.

Cast Stone—L. W. Wilson, Engr., Legal

In writing to parties mentioned in this department it will be of advantage to all concerned if the Manufacturers Record is mentioned.

Bldg., Asheville, N. C.—Wants prices on cast stone.

Cast Stone.—R. R. Rapp, 417 Guaranty Bldg., Galveston, Tex.—Wants prices on cast stone for \$100,000 office and sales department building.

China Cabinets.—Penney-Gwinn Corp., Green Cove Springs, Fla.—Receives bids July 1 for 100 china cabinets.

Chinaware.—U. S. Veterans' Bureau, Supply Division, Washington, D. C.—Receives bids June 23 for plain white chinaware, medium, thick and hotel weight.

Church Furniture.—James Handley, Telephone Bldg., Tampa, Fla.—Wants prices on furniture for \$200,000 First Christian Church and Sunday school.

City Hall Furnishings, etc.—Mr. McCutcheon, City Engr., Center Hill, Fla.—Wants prices on equipment, \$10,000, for city hall, fire station and jail building.

Coal.—W. N. Everett, Sec. of State, Raleigh, N. C.—Receives bids July 1 to furnish as required coal to be used by State buildings and Confederate Home; price delivered in bins.

Coal (Anthracite).—Marine Corps, Quartermaster's Dept., Washington, D. C.—Receives bids June 21 to furnish 1000 tons anthracite coal; delivery Brown's Field, Va. Sch. 10-1927.

Composition Roofing.—Keene & Simpson, 1005 Land Bank Bldg., Kansas City, Mo.—Wants prices on composition roofing.

Crushing and Screening Plants.—Crystal River Rock Co., Crystal River, Fla.—Wants to correspond with designers of crushing and screening plants; capacity about 4000 tons per 10 hrs.

Dam.—U. S. Engineer Office, Pittsburgh, Pa.—Receives bids June 21 to construct Dam No. 5, Rilegheny River.

Door Beds.—Penney-Gwinn Corp., Green Cove Springs, Fla.—Receives bids July 1 for 100 door beds.

Drainage.—Board of Commissioners, McKinney Drainage District, Miller County, Texarkana, Ark.—Receives bids June 25 for construction of outlet drainage ditch 3 miles long, involving excavation of about 100,000 cu. yds.

Dressing Cabinets.—Penney-Gwinn Corp., Green Cove Springs, Fla.—Receives bids July 1 for 100 dressing cabinets.

Drugs.—Castalia Medical Corp., F. C. Bartholomew, Castalia, N. C.—Wants prices on drugs and drug sundries.

Dumb Waiters.—L. R. Wright, Archt., Box 117, Athens, Tex.—Wants prices on dumb waiters for \$60,000 hotel and stores.

Dumb Waiters.—H. K. Morehead, 500 Jefferson St., Russellville, Ark.—Wants prices on dumb waiters for \$70,000 church.

Dumb Waiters.—Stertzling Floral Co., 7260 Manchester Blvd., Maplewood, St. Louis, Mo.—Wants prices on dumb waiters.

Electrical Fixtures.—James Handley, Telephone Bldg., Tampa, Fla.—Wants prices on electrical fixtures for \$200,000 church and Sunday school.

Electric Griddles and Toasters.—U. S. Veterans' Bureau, Supply Division, Washington, D. C.—Receives bids June 21 for electric griddles and toasters for U. S. V. Hospital, Perry Point, Md.

Electric Ranges.—Penney-Gwinn Corp., Green Cove Springs, Fla.—Receives bids July 1 for 100 electric ranges.

Electric Ranges and Steam Table.—U. S. Veterans' Bureau, Supply Division, Washington, D. C.—Receives bids June 25 for electric ranges and steam table for U. S. Veterans' Hospital, Livermore, Cal.

Electric Refrigerators.—Meyer & Campbell, 562 Rosalie St., Houston, Tex.—Want prices on electric refrigerators for \$25,000 duplex.

Electric Refrigerators.—S. N. Young, 326 Herndon Ave., Shreveport, La.—Wants prices on electric refrigerators for dwellings.

Electric Refrigerators.—Stertzling Floral Co., 7260 Manchester Blvd., Maplewood, St. Louis, Mo.—Wants prices on electric refrigerators.

Electric Refrigerators.—L. R. Wright, Archt., Box 117, Athens, Tex.—Wants prices on electric refrigerators for \$60,000 hotel and stores.

Electric Refrigerators.—R. R. Rapp, 417 Guaranty Bldg., Galveston, Tex.—Wants prices on electric refrigerators for office and sales department building.

Electric Refrigerators.—L. W. Wilson, Engr., Legal Bldg., Asheville, N. C.—Wants prices on electric refrigerators.

Electrical Equipment.—Board of Awards, Baltimore, Md., Frederick A. Dolfeld, City

Register.—Receives bids June 23 for furnishing additional mechanical and electrical equipment at Baltimore City Jail.

Elevator.—J. F. Blake, 923 Lemon St., Palatka, Fla.—Wants prices on electric elevator for garage.

Engine.—See Sawmill Machinery.

Engines.—Office of Mississippi River Commission, 1311 International Life Bldg., St. Louis, Mo.—Receives bids June 22 to furnish one pair tandem compound condensing engines for steamer Mississippi.

Fence.—P. R. Green, Fayetteville, Ark.—Wants fencing for 400-acre development for fruit and poultry.

Fertilizer Dryer.—Cumberland Tallow Co., Inc., Box 191, Cumberland, Md.—Wants fertilizer dryer.

Fire-Fighting Equipment.—Lake City, Fla. J. B. Hobbs, City Mgr.—Receives bids June 21 for fire-fighting equipment, including fire truck, hose, nozzles, etc.

Flanges (Brass).—The Seelye Co., Inc., 101 Building, Atlanta, Ga.—Wants large quantity of cast brass flanges for power house and tunnel piping at Duke University, Durham, N. C.

Floor Coverings.—James Handley, Telephone Bldg., Tampa, Fla.—Wants prices on floor coverings for \$200,000 church and Sunday school.

Flooring.—L. W. Wilson, Engr., Legal Bldg., Asheville, N. C.—Wants prices on hardwood and concrete flooring.

Flooring.—Meyer & Campbell, 562 Rosalie St., Houston, Tex.—Want prices on tile and hardwood flooring for \$25,000 duplex.

Flooring.—S. N. Young, 326 Herndon Ave., Shreveport, La.—Wants prices on rubber tile and composition flooring for dwellings.

Flooring.—Jas. Handley, Telephone Bldg., Tampa, Fla.—Wants prices on terrazzo, hardwood, linoleum, rubber tile and composition flooring for \$200,000 First Christian Church and Sunday school.

Flooring.—Stertzling Floral Co., 7260 Manchester Blvd., Maplewood, St. Louis, Mo.—Wants prices on tile, terrazzo, hardwood and rubber tile flooring.

Flooring, etc.—Treasury Dept., Subv. Architect's Office, Washington, D. C.—Receives bids June 23 to construct fireproof floors, steps, etc., for mess-hall corridor at U. S. Marine Hospital, Baltimore, Md.

Flooring.—John E. Seavey, Brookhaven, Miss.—Wants prices on composition and rubber tile flooring for \$30,000 store and cotton office.

Flooring.—L. R. Wright, Archt., Box 117, Athens, Tex.—Wants prices on tile, terrazzo, hardwood and composition flooring for \$60,000 hotel and stores.

Flooring.—H. K. Morehead, 500 Jefferson St., Russellville, Ark.—Wants prices on rubber tile and composition flooring for \$70,000 church.

Flooring.—R. R. Rapp, 417 Guaranty Bldg., Galveston, Tex.—Wants prices on tile, terrazzo and linoleum flooring for \$100,000 office and sales department building.

Furniture-Plant Machinery.—See Woodworking Machinery.

Garage Equipment.—Ocala Auto & Garage Co., Magnolia and Jefferson Sts., Ocala, Fla.—Wants prices on garage equipment.

Generator Set.—Dorchester Lumber Co., Badham, S. C.—Wants steam turbine for direct connected generator to develop 300 h. p.

Generator Set.—Hackley Morrison Co. (Mchy. Dealer), 1708 Lewis St., Richmond, Va.—Wants 350 kw., 3 phase, 60 cycle, 550 volt, slow speed, single valve Corliss engine generator set.

Grading.—Huntsville, Tex. See Construction News—Roads, Streets, Paving.

Grinder.—Cumberland Tallow Co., Inc., Box 191, Cumberland, Md.—Wants grinder for tallow grease and fertilizer plant.

Grinder.—Hackley Morrison Co. (Mchy. Dealer), 1708 Lewis St., Richmond, Va.—Wants right-hand automatic band saw grinder, to grind saws 7 in. wide and 1½-in. tooth space; state condition, location and price.

Grinder.—Guyan Machine Shops (Mchy. Dealer), Logan, W. Va.—Wants grinders for grinding milling cutters.

Gut Washer.—Cumberland Tallow Co., Inc., Box 191, Cumberland, Md.—Wants gut washer.

Hoof Puller.—Cumberland Tallow Co., Inc., Box 191, Cumberland, Md.—Wants hoof puller.

Hospital Furnishings, etc.—T. B. Norton, Supt., City Home, Richmond, Va.—Wants

prices on equipment, \$2500, for contagious disease pavilion.

Incinerator.—Chas. F. Mason, City Mgr., Clearwater, Fla.—Receives bids June 21 to furnish and erect garbage and trash incinerator, capacity 20 tons per 10-hr. day; brick or hollow tile stucco building, steel truss and tile roof, radial brick or brick-lined steel chimney.

Incinerators.—S. N. Young, 326 Herndon Ave., Shreveport, La.—Wants prices on incinerators for dwellings.

Incinerators.—Stertzling Floral Co., 7260 Manchester Blvd., Maplewood, St. Louis, Mo.—Wants prices on incinerators.

Ironing Board and Broom Closets.—Penney-Gwinn Corp., Green Cove Springs, Fla.—Receives bids July 1 for 100 built-in ironing boards and 100 broom closets.

Jail Cells.—Fredk. T. Uezell, Ocala, Fla.—Wants information and prices on jail cells.

Kitchen Supplies.—U. S. Veterans' Bureau, Washington, D. C.—Receives bids June 25 to furnish kitchen supplies.

Lawn Mower (Power Driven).—Marine Corps, Quartermaster's Dept., Washington, D. C.—Receives bids June 24 to furnish one power-driven lawn mower.

Lime Rock.—Duval County Commrs., J. F. Hammond, Chrmn., Jacksonville, Fla.—Receives bids June 21 to furnish approximately 10,000 tons Florida lime rock, delivered f. o. b. cars at mine or pit.

Limestone.—I. K. Morehead, 500 Jefferson St., Russellville, Ark.—Wants prices on limestone for \$70,000 church.

Lumber.—Belmont Planing Mill Co., Belmont, Miss.—Will purchase lumber, yellow pine and hardwood, mostly oak.

Lumber.—John Murch, Galveston County Auditor, Galveston, Tex.—Receives bids June 22 for approximately 17,500 ft. treated lumber, delivered f. o. b. Dickinson.

Mail Chutes.—Ducommun & Dirks, Inc., Contrs. & Builders, 4908 Delmar Blvd., St. Louis, Mo.—Wants prices on mail chutes for 2-story store and tenement.

Mail Chutes.—Meyer & Campbell, 562 Rosalie St., Houston, Tex.—Want prices on mail chutes for \$25,000 duplex.

Mantels (Wood).—J. S. Parker Co., Walton and Cramer Sts., Lexington, Ky.—Wants prices on wood mantels; correspond with manufacturers.

Marble.—H. K. Morehead, 500 Jefferson St., Russellville, Ark.—Wants prices on marble for \$70,000 church.

Marble.—Ducommun & Dirks, Inc., Contrs. & Builders, 4908 Delmar Blvd., St. Louis, Mo.—Wants prices on marble for 2-story store and tenement.

Marble.—Meyer & Campbell, 562 Rosalie St., Houston, Tex.—Want prices on marble for \$25,000 brick veneer duplex.

Marble.—R. R. Rapp, 417 Guaranty Bldg., Galveston, Tex.—Wants prices on marble for \$100,000 office and sales department building.

Marble.—Stertzling Floral Co., 7260 Manchester Blvd., Maplewood, St. Louis, Mo.—Wants prices on marble.

Mechanical and Electrical Equipment.—Board of Awards, F. A. Dolfeld, Register, Baltimore, Md.—Receives bids June 23 to furnish additional mechanical and electrical equipment at City Jail; Charles F. Goob, Mechanical-Electrical Engr., City Hall Annex No. 2.

Medicine Cabinets.—Penney-Gwinn Corp., Green Cove Springs, Fla.—Receives bids July 1 for 100 medicine cabinets.

Metal Ceilings.—John E. Seavey, Brookhaven, Miss.—Wants prices on metal ceilings for \$30,000 store and cotton office.

Metal Ceilings.—J. W. Fuqua, Ozone, Tex.—Wants prices on metal ceilings for \$15,000 store.

Metal Ceilings.—L. R. Wright, Archt., Box 117, Athens, Tex.—Wants prices on metal ceilings for \$60,000 hotel and stores.

Metal Ceilings.—Stertzling Floral Co., 7260 Manchester Blvd., Maplewood, St. Louis, Mo.—Wants prices on metal ceilings.

Metal Doors.—R. R. Rapp, 417 Guaranty Bldg., Galveston, Tex.—Wants prices on metal doors for \$100,000 office and sales department building.

Metal Doors.—John E. Seavey, Brookhaven, Miss.—Wants prices on metal doors for \$30,000 store and cotton office.

Metal Lath.—Cooper & Simmons, Contrs., Laurel, Miss.—Want prices on metal lath for school building.

Metal Stairways.—S. N. Young, 326 Her-

In writing to parties mentioned in this department it will be of advantage to all concerned if the Manufacturers Record is mentioned.

don Ave., Shreveport, La.—Wants prices on metal outside stairways for dwellings.

Metal Weather Stripping.—R. R. Rapp, 417 Guaranty Bldg., Galveston, Tex.—Wants prices on metal weather stripping for \$100,000 office and sales department building.

Meters (Fuel Oil).—Bureau of Supplies and accounts, Navy Dept., Washington, D. C.—Receives bids June 22 for delivering fuel oil meters to Navy Engineering Experiment Station, Annapolis, Md.

Miscellaneous Supplies.—Marine Corps, Quartermaster's Dept., Washington, D. C.—Receives bids June 23 to furnish miscellaneous supplies, including 1920 lbs. soap chips; delivery Quantico, Va. Sch. No. 676 and No. 677.

Miscellaneous Supplies.—Panama Canal, A. L. Flint, General Purchasing Officer, Washington, D. C.—Receives bids June 21 to furnish steel, glass, aluminum washers, lighting fixtures, screen-door screens, hinges, door knobs, wood handles, leather belting, asbestos, carbon paper, etc. Blank forms and information (Circular 2413) on application to officers of Panama Canal: Asst. Purchasing Agt. at Fort Mason, San Francisco, Cal.

Mortar Colors.—See Building Materials.

Motors.—Hackley Morrison Co. (Mchy. Dealer), 1708 Lewis St., Richmond, Va.—Wants 100 h. p., 900 r. p. m., 2200 volt, 3 phase, 60 cycle, squirrel cage induction motor, complete with oil switch, starter, base, slide rails and pulley; one 25 and 50 h. p., 900 r. p. m., 3 phase, 60 cycle, 2200 volt, squirrel cage motor, complete with base, slide rails and pulley.

Overall Plant Machinery.—Heater Well Drilling Co., Box 34, Cary, N. C.—Wants information as to cost and operation of overall manufacturing machinery; will want to plan on small start and gradually expand.

Painting.—Board of Awards, F. A. Dolfield, Register, Baltimore, Md.—Receives bids June 23 for interior and exterior painting at Hanover Market, Hanover and Camden Sts.

Paper.—Crystal White Laundry Co., 108 S. Cheyenne St., Tulsa, Okla.—Wants prices on wrapping paper.

Paper Bags.—Marine Corps, Quartermaster's Dept., Washington, D. C.—Receives bids June 22 to furnish 200,000 paper bags, Kraft Grocers. Sch. 675.

Paper Press.—Empire Paper Co., Box 1005, Wichita Falls, Tex.—Wants prices on roll paper press.

Paving.—Apalachicola, Fla. See Construction News—Roads, Streets, Paving.

Paving.—Baltimore, Md. See Construction News—Roads, Streets, Paving.

Paving, etc.—Sebring, Fla. See Construction News—Roads, Streets, Paving.

Paving.—Newman, Ga. See Construction News—Roads, Streets, Paving.

Pile-Driver Hulls.—U. S. Engineer Office, 428 Custom House, St. Louis, Mo.—Receives bids June 23 for 5 steel pile-driver hulls.

Pipe (Brass).—The Seelye Co., Inc., One-O-One Bldg., Atlanta, Ga.—Wants approximately 3 carloads of brass pipe, cast brass flanges and brass flanged and screwed fittings for power house and tunnel piping at Duke University, Durham, N. C., for which they have contract.

Pipe (Cast Iron).—See Sewers.

Pipe (Cast Iron).—See Water Works.

Pipe (Vitrified Pipe).—See Sewers.

Pipe Fittings (Brass).—See Pipe (Brass).

Pipeless Furnace.—Guyan Machine Shops (Mchy. Dealer), Logan, W. Va.—Wants pipeless furnace to heat 3-story, 40x100-ft. building.

Piping and Tubing (Nickel-plated).—Automatic Syphon Corporation, 501 McBain Bldg., Roanoke, Va.—Wants prices on stamped or rolled nickel-plated piping and tubing, 1-16 to 3 in. diam., in lengths 2 to 5 inches.

Plumbing Fixtures.—Dist. Commrs., Room 509, Dist. Bldg., Washington, D. C.—Receives bids July 2 to furnish and deliver plumbing fixtures, f. o. b. cars B. & O. R. R., Laurel, Md.

Plumbing Supplies.—U. S. Veterans' Bureau, Supply Division, Washington, D. C.—Receives bids June 21 for 102 faucets for lavatories, 102 combination lavatory supply fixtures, etc.

Pneumatic Tube System.—R. R. Rapp, Archt., 417 Guaranty Bldg., Galveston, Tex.—Wants prices on pneumatic tube system for \$100,000 office and sales department building.

Powder and Shot.—Joseph T. Richard, Stephens City, Va.—Wants dealers' prices on powder and shot in loose form.

Printing Equipment.—The Bunker Printing Products Corp., Sixth and Commerce St., Fort Worth, Tex.—Wants additional printing equipment, particularly to handle color work.

Pumps.—Hunter Machinery Co., Marion, N. C.—Wants two electric-driven fire pumps, 550 volt, 750 to 1000 gal. capacity each.

Punch and Shear.—Guyan Machine Shops (Mchy. Dealer), Logan, W. Va.—Wants punch and shear to slit and punch 1½-in. plate.

Road.—Owensboro, Ky. See Construction News—Roads, Streets, Paving.

Road.—Brunswick, Ga. See Construction News—Roads, Streets, Paving.

Road.—Uvalde, Tex. See Construction News—Roads, Streets, Paving.

Resaw.—Hackley Morrison Co. (Mchy. Dealer), 1798 Lewis St., Richmond, Va.—Wants band saw for heavy-duty work.

Road.—Baltimore, Md. See Construction News—Roads, Streets, Paving.

Road.—El Paso, Tex. See Construction News—Roads, Streets, Paving.

Road.—State of West Virginia will build 7 roads. See Construction News—Roads, Streets, Paving.

Road.—Anderson, Tex. See Construction News—Roads, Streets, Paving.

Road.—Baltimore, Md. See Construction News—Roads, Streets, Paving.

Road.—Columbus, Ga. See Construction News—Roads, Streets, Paving.

Road.—Warsaw, Va. See Construction News—Roads, Streets, Paving.

Road.—State of Alabama will build three roads. See Construction News—Roads, Streets, Paving.

Road.—Lewistown, W. Va., will improve 2 roads. See Construction News—Roads, Streets, Paving.

Road.—Morgantown, W. Va., will build 2 roads. See Construction News—Roads, Streets, Paving.

Road.—State of Georgia will build 3 roads. See Construction News—Roads, Streets, Paving.

Road.—State of Oklahoma will build 18 roads. See Construction News—Roads, Streets, Paving.

Rock Plants.—Crystal River Rock Co., Crystal River, Fla.—Wants to communicate with designers of rock plants; plans rebuilding burned plant.

Rolling Partitions.—H. K. Morehead, 500 Jefferson St., Russellville, Ark.—Wants prices on rolling partitions for \$70,000 church.

Roofing (Composition).—Ducommun & Dirks, Inc., Contrs. & Builders, 4908 Delmar Blvd., St. Louis, Mo.—Wants prices on composition roofing for 2-story store and tenement.

Roofing (Composition).—J. W. Fuqua, Ozona, Tex.—Wants prices on composition roofing for \$15,000 store.

Roofing (Composition).—John E. Seavey, Brookhaven, Miss.—Wants prices on composition roofing for \$30,000 store and cotton office.

Roofing (Copper Clad).—Meyer & Campbell, 562 Rosalie St., Houston, Tex.—Wants prices on copper-clad roofing for \$25,000 duplex.

Roofing Repairs.—Treasury Dept., Jas. A. Wetmore, Act. Supervising Archt., Washington, D. C.—Receives bids June 22 for repairs to roof of post office, St. Louis, Mo.; specifications from Custodian at site or from office Supervising Archt.

Roofing Tile.—W. R. Arnold, R. 5, Box 79, Little Rock, Ark.—Wants prices on roofing tile for dwelling.

Saw.—Guyan Machine Shops (Mchy. Dealer), Logan, W. Va.—Wants combination band and circular saw.

Sawmill Machinery.—W. G. Barron, Post Co., Fayetteville, Ark.—Wants prices on one used sawmill, 25 h. p. Case portable engine preferred.

Scales.—Crystal White Laundry Co., 108 S. Cheyenne St., Tulsa, Okla.—Wants prices on scales.

School Supplies, Materials, etc.—Board of Awards, F. A. Dolfield, City Register, Baltimore, Md.—Receives bids June 23 for reading material for primary grades; furniture and equipment, maps, map cases, globes and charts for Dept. of Education.

Septic Tanks.—P. R. Green, Fayetteville, Ark.—Wants septic tanks for 400-acre development.

Sewers.—City of Fulton, Ky., W. O. Shankle, Mayor—Receives bids July 12 for sanitary sewerage system, including 9 miles

of 8-in. to 18-in. sewers, 112 manholes, 24 flush tanks, 1 disposal tank; Frank L. Wilcox, Engr., Chemical Bldg., St. Louis, Mo.

Sewers.—City of Prague, Okla., H. W. Hartman, Mayor—Receives bids July 2 for 400 ft. of 12-in. cast iron pipe, 6340 ft. of 12-in. vitrified sewer pipe, 1150 ft. of 10, 2350 ft. of 8, 4600 ft. of 1½ in. galvanized water pipe, 28 manholes, 10 cu. yds. concrete piers and 1 bulkhead, 1 screen chamber, 1 Imhoff tank, sludge bed, dosing chamber, sprinkling filter; Lateral Sewer District No. 1, 900 ft. of 6-in. vitrified pipe; 24,300 ft. of 8-in., 1100 ft. of ¾-in. galvanized water pipe, 56 manholes, 6 drop manholes, 11 lampholes, 5 flush tanks; V. V. Long & Co., Engrs., 1300 Colcord Bldg., Oklahoma City.

Sewers.—City of Harlingen, Tex., S. Finley Ewing, Mayor—Receives bids June 23 for materials, equipment and labor for constructing 4 miles sanitary and 3 miles storm sewers.

Sewers.—See Water Works.

Sewers.—Board of Supervisors, Interbay Drainage District, M. D. McElroy, Sec., 32 Giddens Bldg., Tampa, Fla.—Receives bids July 6 for constructing concrete mains, laterals and other work set out in plan of reclamation; McElroy Engineering Co., Ch. Engr., Tampa.

Shafting.—Guyan Machine Shops (Mchy. Dealer), Logan, W. Va.—Wants 115-16 to 47-16 in. diam. cold finished shafting.

Shaper.—Hackley Morrison Co. (Mchy. Dealer), 1708 Lewis St., Richmond, Va.—Wants one 24-28 in. heavy-duty shaper, motor driven, 3 phase, 60 cycle, 440 volt A. C. or 220 volt D. C.

Sheet Metal.—Nix & McDonald Co., Knight & Wall Bldg., Tampa, Fla.—Wants bids on sheet metal for 1-story, 102x250-ft. garage.

Shotgun Primers.—Joseph T. Richard, Stephens City, Va.—Wants dealers' prices on shotgun primers.

Shovel (Steam).—L. J. Breed Equipment Co., 824 James Bldg., Chattanooga, Tenn.—Wants one ¾-yd. steam shovel, mounted on crawlers, second hand; state price, condition, etc.

Sidewalk.—Dunnellon, Fla. See Construction News—Roads, Streets, Paving.

Sprinkler System.—Guyan Machine Shops (Mchy. Dealer), Logan, W. Va.—Wants sprinkler system for 3-story, 40x100-ft. building.

Starter.—Hackley Morrison Co. (Mchy. Dealer), 1708 Lewis St., Richmond, Va.—Wants starter for 50 h. p., 3 phase, 60 cycle, 2200 volt Burke motor.

Steel.—J. F. Blake, 923 Lemon St. Palatka, Fla.—Wants prices on steel for construction and for reinforcing concrete floors.

Steel.—Nix & McDonald Co., Knight & Wall Bldg., Tampa, Fla.—Wants bids on steel frame for 1-story, 102x250-ft. garage.

Steel Filing Cabinets.—Marine Corps, Quartermaster's Dept., Washington, D. C.—Receives bids June 24 to furnish 2 steel filing cabinets; delivery Washington, D. C.

Steel Reinforcing Bars.—Panama Canal, A. L. Flint, General Purchasing Officer, Washington, D. C.—Receives bids June 22 to furnish steel reinforcing bars. Blank forms and information (Circular 1740) on application to offices of Panama Canal: Asst. Purchasing Agent at Fort Mason, San Francisco, Cal.

Steel Sash.—J. W. Fuqua, Ozona, Tex.—Wants prices on steel sash for \$15,000 store.

Steel Sash and Frames.—J. F. Blake, 923 Lemon St., Palatka, Fla.—Wants prices on steel sash and frames.

Steel Sash and Trim.—Ducommun & Dirks, Inc., Contrs. & Builders, 4908 Delmar Blvd., St. Louis, Mo.—Wants prices on steel sash and trim for 2-story store and tenement.

Steel Sash and Trim.—L. W. Wilson, Engr., Legal Bldg., Asheville, N. C.—Wants prices on steel sash and trim.

Steel Sash and Trim.—John E. Seavey, Brookhaven, Miss.—Wants prices on steel sash and trim for \$30,000 store and cotton office.

Steel Sash and Trim.—R. R. Rapp, 417 Guaranty Bldg., Galveston, Tex.—Wants prices on steel sash and trim for \$100,000 office and sales department building.

Steel Sash and Trim.—Stertzinger Floral Co., 7260 Manchester Blvd., Maplewood, St. Louis, Mo.—Wants prices on steel sash and trim.

Stereotype Outfit.—Empire Paper Co., Box 1095, Wichita Falls, Tex.—Wants prices on stereotype outfit.

Street.—Washington, D. C. See Construction News—Roads, Streets, Paving.

In writing to parties mentioned in this department it will be of advantage to all concerned if the Manufacturers Record is mentioned.

Street.—Baltimore, Md. See Construction News—Roads, Streets, Paving.

Street Work, etc.—Thomas H. Berry, General Sales Mgr., 303 E. Franklin St., Richmond, Va.—Wants bids on street and similar work in connection with 50-acre subdivision development.

Street.—Knoxville, Tenn. See Construction News—Roads, Streets, Paving.

Tank and Tower.—See Water Works.

Tannic Acid Plant.—Chas. F. Sentz, care of Hotel Olive, Tampa, Fla.—Wants complete data on extracting tannic acid from Mangrove and Jucaro (scrub hardwood that grows in Cuba).

Terra Cotta Trim.—L. W. Wilson, Engr., Legal Bldg., Asheville, N. C.—Wants prices on terra cotta trim.

Terra Cotta Trim.—H. K. Morehead, 500 Jefferson St., Russellville, Ark.—Wants prices on terra cotta trim for \$70,000 church.

Terra Cotta Trim.—Boston Lumber & Builders Corp., South Boston, Va.—Wants prices on terra cotta trim for \$40,000 brick church.

Terra Cotta Trim.—Ducommun & Dirks, Inc., Contrs. & Builders, 4908 Delmar Blvd., St. Louis, Mo.—Wants prices on terra cotta trim for 2-story store and tenement.

Terra Cotta Trim.—Meyer & Campbell, 562 Rosalie St., Houston, Tex.—Wants prices on terra cotta trim for \$25,000 duplex.

Terra Cotta Trim.—Keene & Simpson, 1005 Land Bank Bldg., Kansas City, Mo.—Wants prices on terra cotta trim.

Terra Cotta Trim.—Stortzing Floral Co., 7260 Manchester Blvd., Maplewood, St. Louis, Mo.—Wants prices on terra cotta trim.

Tile.—Keene & Simpson, 1005 Land Bank Bldg., Kansas City, Mo.—Wants prices on hollow tile.

Tile.—J. W. Fuqua, Ozona, Tex.—Wants prices on hollow tile for \$15,000 store.

Tile.—L. W. Wilson, Engr., Legal Bldg., Asheville, N. C.—Wants prices on hollow and interior tile.

Tile.—H. K. Morehead, 500 Jefferson St., Russellville, Ark.—Wants prices on hollow tile for \$70,000 church.

Tile.—L. R. Wright, Archt., Box 117, Athens, Tex.—Wants prices on hollow and floor tile for \$60,000 hotel and stores.

Tile.—Ducommun & Dirks, Inc., Contrs. & Builders, 4908 Delmar Blvd., St. Louis, Mo.—Wants prices on interior and floor tile for 2-story store and tenement.

Tile.—R. R. Rapp, 417 Guaranty Bldg., Galveston, Tex.—Wants prices on hollow and interior tile for \$100,000 building.

Transformers.—Hackley Morrison Co. (Machine Dealer), 1708 Lewis St., Richmond, Va.—Wants three 15 kv-a and one 5 kv-a 2200-220-110 volt transformers.

Transformers, etc.—U. S. Engineer's Office, Florence, Ala.—Receives bids July 20 to furnish, deliver and erect transformers, high-tension switching equipment, structures and accessories for Wilson Dam, Tennessee River; information on application.

Truck (Commercial).—Marine Corps Quartermaster's Dept., Washington, D. C.—Receives bids June 24 to furnish one commercial truck; delivery St. Louis, Mo. Sch. No. 679.

Tubing (Rubber, Fiber, Glass).—Automatic Syphon Corp., 501 McBain Bldg., Roanoke, Va.—Wants prices on rubber tubing, 1-16 to 1 in. diam., in lengths of 36-in. pieces; also prices on fiber and glass tubing.

Twine.—Crystal White Laundry, S. Cheyenne St., Tulsa, Okla.—Wants prices on twine.

Vaults.—R. R. Rapp, 417 Guaranty Bldg., Galveston, Tex.—Wants prices on vaults for \$100,000 office and sales department building.

Ventilators.—John E. Seavey, Brookhaven, Miss.—Wants prices on ventilators for \$30,000 store and cotton office.

Ventilators.—Meyer & Campbell, 562 Rosalie St., Houston, Tex.—Wants prices on ventilators for \$25,000 duplex.

Ventilators.—L. R. Wright, Archt., Box 117, Athens, Tex.—Wants prices on ventilators for \$60,000 hotel and stores.

Venetian Blinds.—R. R. Rapp, 417 Guaranty Bldg., Galveston, Tex.—Wants prices on Venetian blinds for \$100,000 office and sales department building.

Ventilators.—R. R. Rapp, 417 Guaranty Bldg., Galveston, Tex.—Wants prices on ventilators for \$100,000 office and sales department building.

Ventilators.—L. W. Wilson, Engr., Legal Bldg., Asheville, N. C.—Wants prices on ventilators.

Ventilators.—S. N. Young, 326 Herndon Ave., Shreveport, La.—Wants prices on ventilators for dwellings.

Water Works.—Board of Commrs., Jas. A. Leonard, Mayor, Lexington, N. C.—Receives bids June 25 for approximately \$80,000 water and sewer extension works; blueprints, etc., on application to N. R. Kinney, City Engr.

Water Works.—City of Chester, S. C., S. Churchill Carter, Mayor—Receives bids July 20 for water-works improvements, including construction of dam, 2,000,000-gal. filtration plant, laying 2 miles 12-in. cast iron mains, constructing 500,000-gal. clear water reservoir, 50,000-gal. wash-water tank, 150,000-gal. elevated steel tank, together with materials and necessary construction work for several miles water and sewer distributing system; Warren H. Booker, Consult. Engr., Providence Rd., Myers Park, Charlotte, N. C.

Water Works.—See Sewers.

Well-Drilling Tools.—Heater Well Drilling Co., Box 34, Cary, N. C.—Wants full set second-hand heavy-weight drilling tools for 6-in. hole, joints to be 2½x3½x7 in.

Wire Glass.—Jones Bros., Contrs., Center Hill, Fla.—Wants prices on wire glass for \$23,000 store and office building at Wildwood.

Wire Glass.—L. W. Wilson, Engr., Legal Bldg., Asheville, N. C.—Wants prices on wire glass.

Wire Glass.—R. R. Rapp, 417 Guaranty Bldg., Galveston, Tex.—Wants prices on wire glass for \$100,000 office and sales department building.

Wire Glass.—John E. Seavey, Brookhaven, Miss.—Wants prices on wire glass for \$30,000 store and cotton office.

Woodworking Machinery.—Stratton Furniture Manufacturing Co., Oak and First Sts., Hagerstown, Md.—Wants full line machinery to manufacture furniture, specializing in bedroom suites.

Woodworking Machinery.—Crane-Hanes Lumber Co., Inc., Hawkinsville, Ga.—Wants small moulding machine, prefer second-hand or rebuilt.

X-Ray Timer, etc.—U. S. Veterans' Bureau, Supply Division, Washington, D. C.—Receives bids June 22 for X-Ray timer, compression cylinders, cassettes, etc.

FINANCIAL NEWS

(Continued from page 120)

plans organizing with \$100,000 capital; G. R. Nottingham, Correspondent.

Fla., Longwood.—Longwood State Bank, capital \$20,000, chartered; Chas. W. Entzinger, Pres.; J. E. Walker, V.-P., Cashier.

Fla., Tampa.—Exchange National Bank, J. A. Griffin, Pres., plans increasing capital, \$500,000 to \$1,000,000.

Fla., Tarpon Springs.—First National Bank, J. C. McCrocklin, Pres., plans increasing capital, \$50,000 to \$100,000.

Ga., Thomasville.—Peoples Savings Bank, T. J. Ball, Pres., plans increasing capital, \$25,000 to \$50,000.

Ky., Paducah.—Peoples National Bank of Paducah, capital \$100,000, organized; N. W. Vanculin, 1325 Jefferson St., interested.

Md., Frederick.—Central Trust Co., E. L. Coblenz, Pres., plans increasing capital, \$275,000 to \$400,000.

Tenn., Nashville.—National Finance Corp., 814 Nashville Trust Bldg., capital \$50,000, chartered; W. G. Schamberger; plans organizing National Trust & Mortgage Co.

Tex., Caddo Mills.—State National Bank of Caddo Mills, capital \$30,000, chartered; H. F. Royce, Pres.; Jas. R. Bass, Cashier; conversion Caddo Mills State Bank.

Tex., Goose Creek.—Security State Bank, State Guaranty Bank Bldg., capital \$25,000, incorporated; Will F. Miller, Pres.; acquired banking house, equipment and solvent assets of State Guaranty Bank.

Tex., San Antonio.—Adams Investment Corp., capital \$25,000, incorporated; Craig J. Adams, 830 W. Magnolia St.

Va., Rocky Mount.—First National Bank, Col. James W. Woods, Pres., and Peoples National Bank, N. P. Angle, Pres., consolidated as Peoples National Bank of Rocky Mount, capital and surplus \$200,000; Col. James W. Woods, R. A. Frellaman.*

W. Va., Wheeling.—Island Savings Bank, Zane St., chartered; A. M. Six, 34 S. Broadway, interested.

Alabama Building & Loan Assn., Frank S. McAllister, Pres., 2012 Fourth St., Birmingham, has established branch at 28 Commerce St., Montgomery, A. Ben Caldwell, Mgr.

Morris Plan Bank of Richmond, Va., acquired Community Savings Bank & Loan Corp. of Petersburg, M. E. Rucker, Pres.; Archibald Robertson, 206 North St., Cashier, Morris Plan Bank, Portsmouth, will be cashier Petersburg branch.

Woman's State Bank, Mrs. Frank J. Runyon, Pres., Clarksville, Tenn., merged with First Trust & Savings Bank; C. B. Lyle, Pres.

The Bank of the Manhattan Company has just issued another little book in the series known as the Manhattan Library of Popular Economics. It is entitled "News and Progress," and it concerns the relations of newspapers to the public. Treatment of the subject has been restricted to the economic relationships and influences of the press and necessarily to certain outstanding phases. There are eighty-three pages in the book, every one of them interesting. This is Volume IV in the series.

Trade Literature

New Foos Diesel Engine Bulletin.

The Foos Type L Diesel engine, a new unit which the manufacturers, the Foos Gas Engine Company, Springfield, Ohio, say presents a decided advance in Diesel engine design and construction, is fully described and illustrated in their Bulletin No. 707. Outstanding among the several features of this machine are speed range up to 900 revolutions per minute; full Diesel, four cycle, operating with the same high fuel economy of the largest air injection Diesel engines; burns low-cost fuel oils commonly used in larger engines; full enclosed, no moving parts being visible; leak-proof and dust-proof; all bearings under forced feed lubrication. It is further stated that the reduction in weight makes possible the use of this engine on cranes, shovels, Diesel locomotives and other types of mobile and semi-mobile equipment requiring self-contained, independent power plants. It may be used for either stationary or marine purposes.

Climax New Engine Bulletins.

The Climax Engineering Company, Clinton, Iowa, have just issued three new bulletins describing the application of Climax "Trustworthy" engines to various types of driven units. Bulletin E describes those power units which are designed to be connected by belt to the driven unit. Both portable and stationary types for outside and indoor service are illustrated. A second bulletin, F, describes engines direct connected to generators. A very helpful table is included, showing the kilowatt range of each model of engine. Engines for generator sets are mounted on special supporting frames with an extended cast-iron base to which the generator is bolted. Bulletin G describes the engine direct connected to centrifugal pumps. A table shows the head and capacity in gallons per minute which each model engine will handle. All bulletins contain full particulars about the engines. The unit is sold complete, ready for mounting the pump or generator, which can be done by unskilled labor. Copies of the bulletins will be sent on application to the company or any of their representatives.

Binks Spray Outfit for Autos.

Bulletin No. 48 of the Binks Spray Equipment Company, 3114-28 Carroll avenue, Chicago, Ill., gives full information about the Binks touch-up outfits for automobile service stations, finishing and fender shops. This equipment makes it possible to immediately restore finish to car bodies, etc., where they have been scratched or scraped, and the outfit is so simple that anyone can operate it immediately.

In writing to parties mentioned in this department it will be of advantage to all concerned if the Manufacturers Record is mentioned.

New Graybar Booklets.

The Graybar Electric Company, Inc., successor to the supply department of the Western Electric Co., 100 East 42d street, New York, have issued a series of new booklets dealing with iron and reflector heaters, clothes washers, vacuum cleaners and sewing machines. They contain a large number of excellent illustrations of many different electrical appliances and machines.

"Leadclad" Booklet of Interest.

"Defying Age and Time" is the title of an exceedingly attractive and artistic booklet published by the Wheeling Metal & Manufacturing Company, Wheeling, W. Va., concerning their numerous "Leadclad" products, which are widely used for roofing, eaves troughs, conductor pipes and fittings, as well as for sidings for industrial and residential buildings, ridge rolls, tiles, shingles, etc.

Broadside of Gallon Equipment.

A new broadside, fully illustrated, has been issued by the Gallon Iron Works & Manufacturing Company, Gallon, Ohio, describing their Fordson-powered rollers, graders and other road machinery. Most of these machines are new in the field, because they are either new developments or else they have been improved. A full list of the many Gallon products is given; also a list of the many cities throughout all the country where service for this equipment may be obtained.

Universal Crane Accomplishments.

Folder 208 issued by the Universal Crane Company, 914 Swetland Building, Cleveland, Ohio, gives a lot of information concerning what their cranes can do. One contractor reports: "We dug a cellar, starting at 10 A. M. and were back in the garage at 5.30 P. M." Another says of one of the cranes: "As to portability, you can move it as fast as you would move any five-ton loaded truck over the highways. We think nothing of sending the crane for ten miles to unload only one car of material."

Wholesale Hardware Directory.

The twelfth annual edition of the American Wholesale Hardware Directory of the United States and Canada, which is for the year 1926, has been issued by the publisher, Edward G. Baltz, 1701 Arch street, Philadelphia, Pa. It is arranged in five sections for quick reference, Section 1 comprising the shelf-hardware jobbers; Section 2, heavy-hardware jobbers; Section 3, New York city exporters who handle hardware; Section 4, department stores who handle hardware and house-furnishing goods; Section 5, manufacturers' agents of the United States. The book is copyrighted and the price is \$2.50.

Big McCormick-Deering Tractor Book.

The McCormick-Deering industrial tractor and operating equipment are fully described and illustrated in a fine, large catalogue of 94 pages, published by the International Harvester Company of America, 606 South Michigan avenue, Chicago, Ill. A big two-page picture shows a cross-section of the mechanism of the tractor so that the reader may fully understand its operation. The bulk of the catalogue is devoted to the various special units and attachments of operating equipment for the tractor as made by leading manufacturers throughout the country, but further information along this line can be obtained from local McCormick-Deering dealers or from the manufacturers concerning whose products the information is desired. About 50 different manufacturers of equipment are represented in this wonderfully complete McCormick-Deering book.

INDUSTRIAL NEWS OF INTEREST

Items of news about industrial, railroad or financial interests, building operations, construction work, municipal improvements, or the sale of machinery or the letting of contracts in the South or Southwest, are invited from our readers whether they are advertisers, or subscribers, or not. We invite information of this character from readers in the North and West about their Southern business operations, as well as from Southern readers. News of value will be published just as readily when from non-advertisers as from advertisers.

Timken Branch Changes.

On May 22 H. E. Gilmore became manager of the St. Louis branch of the Timken Roller Bearing Service & Sales Company. He has had several years' sales experience under the direction of Frank J. Lemper, manager and district supervisor of the Chicago branch. The Omaha branch, formerly at 2524 Farnum street, now has larger quarters at 2240 Douglas street. Management continues under the direction of A. D. Hackim. The new home of the Los Angeles branch will be at 1361 South Figueroa street, moving from 1241 South Hope street.

Flexible Paving Joints.

Ficklen & Co., Inc., cement contractors, 410 Bond Building, Washington, D. C., have installed at Cheverly, Md., a suburb of Washington, some of their new Portland cement flexible paving joints. Application has been made for a patent on the invention. The joints that have been installed are composed of Portland cement, 2 bags; about the same amount of asbestos, 4 cubic feet of sand, about 8 per cent of hydrated lime and about 3 gallons of mineral oil. The firm says: "This joint is flexible to some extent and is the same color as the cement road and is a tough concrete. The strip is only about 1 inch wide. We believe that both the oil and asbestos tend to soften and toughen it, somewhat resilient like wood."

Engineering Firm Enlarged.

Spoon & Lewis, consulting engineers, Greensboro, N. C., have sent out announcements to the effect that Thomas R. Camp has been admitted to partnership and that the firm name has been changed to Spoon, Lewis & Camp. Mr. Camp, who is a graduate of Texas Agricultural and Mechanical College, has practiced engineering for a number of years, being associated with John B. Hawley of Fort Worth, Texas, in the design and construction of a number of water-purification and sewage-disposal plants; he was also City Engineer of Breckenridge, Texas. In addition to their Greensboro offices the firm also have permanent offices at Asheville, N. C., and are now engaged in municipal work at Old Fort, Liberty and Roxboro, N. C.

Two Austin Contracts.

The Wyoming Shovel Works, Wyoming, Pa., who are among the largest manufacturers of hand shovels, have let a contract for design and construction of a big building at the main plant to the Austin Company, engineers and builders, Philadelphia branch. This building, which will cost about \$50,000, will take the place of another lately destroyed by fire and at the same time will increase floor space. The new addition is being built to increase production of handles for the company's "Red Edge" shovels. The building will be 100 by 200 feet, monitor construction, and a large dry kiln is also to be installed by the Austin company, which has another contract for a new office building for the Ferbert-Schorndorfer Company, paint and varnish manufacturers, Cleveland, Ohio. Ground for this has been broken, the structure to be two stories, of brick and steel construction, 30 by 60 feet, and is to cost about \$50,000. Another large addition will be started shortly to meet demands for "Fesco" paints and varnishes.

Small Engine for Light Work.

The Briggs & Stratton Corporation, Milwaukee, Wis., in a comprehensively illustrated folder, gives full information about their new 1½-horsepower Type Q air-cooled gasoline engine, which is described by the manufacturers as "precision-built for fine, light power-driven machinery." It weighs only 98 pounds.

Storage and Repair Plant to Be Sold.

Elsewhere in this issue formal announcement is made of the sale to be held June 24 of the industrial storage and repair plant of the Industrial Service Company at Lincoln, N. J., the sale to take place on the premises at 1 o'clock P. M. standard time. There are 20 acres of land in the property, on a main line railroad with siding. Particulars will be found in the advertisement.

U. G. I. Contracting Office in Atlanta.

The U. G. I. Contracting Company of Philadelphia, Pa., have opened an office in the Healey Building, Atlanta, Ga., with Rawson Collier in charge as Southern representative. Business in the Southern states will be handled from the Atlanta office. The Chicago office, established several years ago, handles business in the central and western parts of the country. Mr. Collier is a native of Atlanta and for some years has been engaged in engineering work in the South. Among several of the company's recent contracts may be mentioned a large municipal bridge at Tampa, Fla., and the Comal steam power plant of the Comal Power Co., San Antonio, Tex.

Old Hickory, Tenn., Grows Fast.

From a powder plant in 1921 to the position of seventh city as to population in Tennessee in 1926 is the record of development of Old Hickory reported by the Nashville Industrial Corporation, who bought the place from the United States Government. It is further reported that the immense rayon plants of the Du Pont Rayon Company are rapidly getting into full operation and demands for houses are responsible for additions now being made to the city. The corporation is especially directing attention to the advantages offered there for the location of industries seeking desirable sites in the South, especially with Nashville at the door, that city being only 10 miles away, with street railway and autobus communication.

Oil-Electric Locomotive for a Lumber Co.

Announcement is made by the Ingersoll-Rand Company, joint producer with the American Locomotive and the General Electric companies, of oil-electric locomotives, that one of these engines of the 100-ton type has been ordered by the Red River Lumber Co. for use in its timbering operations at Westwood, Cal. This locomotive, it is stated, will be the first oil-electric railroad engine to be placed in service west of the Mississippi River. The Red River Lumber Co. owns and operates an extensive tract of hard white pine timber at Westwood, about 250 miles northeast of San Francisco on the Southern Pacific Railroad. Here it also has a large manufacturing plant. The oil-electric locomotive will be used in logging operations and it is to be installed, according to engineers of its manufacturers, solely in the interest of economy.

British Cotton Shipments.

Manchester, England, June 3.—Exports of cotton yarns and manufactures from the United Kingdom during April amounted to £11,548,306 and the total of manufactured articles to £41,483,354, compared with £16,245,864 and £53,522,497 in March, and £15,793,885 and £48,206,061 in April, 1925.

For the four months ended April the figures were £58,018,253 and £194,166,471, against £72,376,772 and £213,940,416 in the first four months of 1925.

Shipments of cotton-piece goods in April totaled £8,473,026, representing 281,777,000 square yards, compared with £12,451,363 and 403,249,600 square yards in March, and 11,541,808 and 333,428,800 square yards in April, 1925.

In the four months ended April the exports were £43,911,614 and 1,407,533,100 square yards, the comparative figures for the previous year being £54,820,927 and 1,575,121,000 square yards. The quantities taken by the leading markets and the increases or decreases in thousands of square yards are shown in the table below:

	Four months ended April, 1926	Compared with four months ended April, 1925	
		Increase	Decrease
Bengal, Assam, Bihar and Orissa.	339,847	42,109	.....
Bombay	149,434	.....	65,437
China (including Hongkong).....	79,034	.....	6,700
Australia	54,398	1,443	.....
Dutch East Indies.....	51,823	.....	12,471
Switzerland	50,027	12,997	.....
Egypt	49,831	.....	31,037
British West Africa.....	47,464	1,788	.....
Argentine Republic	36,456	.....	13,806
Straits Settlements and Malay States	28,917	4,197	.....
Germany	28,046	8,984	.....
British South Africa.....	26,116	3,503	.....

The cotton yarns shipped in April were valued at £1,854,533, the weight being 14,436,400 pounds. In March the figures were £2,071,491 and 16,004,400 pounds, and in April, 1925, £2,803,926 and 16,583,300 pounds.

During the four months ended April the exports were £8,209,053 and 62,884,000 pounds, compared with £11,414,295 and 66,339,500 pounds in 1925. The following table gives the weights in thousands taken by the principal customers along with the increases or decreases:

	Four months ended April, 1926	Compared with four months ended April, 1925	
		Increase	Decrease
Netherlands	16,084	.....	1,450
Germany	10,009	.....	8,984
Belgium	3,240	1,765	.....
Bombay	2,760	543	.....
Switzerland	2,674	.....	12,997
France	2,553	485	.....
Madras	2,176	374	.....
Roumania	2,114	1,014	.....
Bengal, Assam, Bihar and Orissa.	1,919	396	.....
Australia	1,169	117	.....
United States of America.....	1,141	.....	9
Norway	1,086	190	.....

Contract for Hotel at Ocala.

Ocala, Fla.—General contract has been awarded to the E. F. Gibson Construction Company, Jacksonville, by the Community Hotel Corporation, Dr. J. E. Chase, president of the board of directors, for the erection of the superstructure of the new Hotel Marion here. The building will be fireproof and will contain more than 100 rooms. The Day and Zimmerman Engineering and Construction Company of Philadelphia, Pa., is handling architectural and engineering details.

Plan Election on \$3,000,000 Water Supply.

E. E. McAdams, City Manager of Waco, Texas, advises the MANUFACTURERS RECORD that an election will be called in the near future on a bond issue in an amount between \$3,000,000 and \$4,000,000 for the construction of a dam on the Bosque River for a water reservoir. Floyd, Loughbridge & Gillispi of Dallas are engineers for the project.

Big Merger of Cotton Compresses.

Outlining plans of the Union Compress and Warehouse Company, recently organized to merge a number of cotton compress properties in Tennessee, Alabama, Mississippi, Louisiana and Arkansas, E. Rice of Dyersburg, Tenn., president of the new organization, advises the MANUFACTURERS RECORD that it has a capitalization of \$750,000 of preferred stock and 15,000 shares of common stock of no par value. Properties to be consolidated will include plants at Chattanooga, Jackson and Memphis, Tenn.; Decatur, Ala.; Greenwood, Rose-dale, Winona, Morehead and Tutwiler, Miss.; Hope and Camden, Ark., and Rayville, La.

The company is increasing the capacity of the Decatur plant by adding two new storage sheds at a cost of approximately \$75,000, and is rebuilding the Memphis plant at a cost of \$200,000, improvements to consist of concrete floors, automatic sprinklers, new boilers and reconstruction of sheds. The Memphis plant will be the largest one, and will have a storage capacity of 50,000 bales.

\$500,000 Bank and Office Building for Dallas.

Dallas, Texas.—General contract has been awarded to Henger & Chambers of this city, on a cost-plus basis, by the Dallas National Bank, J. D. Gillespie, president, for the erection of its new bank and office building to cost approximately \$500,000. The structure will be 100 by 53 feet, 15 stories, of reinforced concrete and steel, with vitrified brick side and rear walls, Bedford limestone trim and terrazzo floors. It will be equipped with 4000 safe-deposit boxes, automatic push-button elevators, bronze entrance gates, ventilating and call systems. The lobby and banking room will be finished in marble. Coburn, Smith & Evans of Dallas are the architects.

Eastern Association of Wool Growers.

Richmond, Va.—Organization of the Eastern Wool Growers Association, Inc., with principal offices in Baltimore, and including upward of 1000 members of the Virginia Co-operative Sheep and Wool Growers Association, Inc., has been announced here by K. A. Keithly, secretary of the Virginia association. The new organization, it is said, also includes members of sheep and wool growers' associations of West Virginia and Maryland, who are estimated to market with the Virginia association more than 500,000 pounds of wool through the central organization this year.


Oil-Mill Superintendents Elect Officers.

At the closing session of the annual convention of the National Oil Mill Superintendents' Association, recently held at Galveston, Texas, the following officers were elected: C. C. Gastillow, Dallas, president; W. G. Davis, Sweetwater, vice-president, and F. P. Morris, Purcell, Okla., secretary-treasurer. The following state vice-presidents were also elected: W. A. Pugh, Fort Smith, Ark.; P. Z. Harllee, Birmingham, Ala.; John B. Alford, Shawnee, Okla.; J. A. Stewart, Arcadia, La.; Homer Barnes, Memphis, Tenn., and J. F. Jarroll of Forney, Texas.

Officers for National Fertilizer Association.

White Sulphur Springs, W. Va.—Following the four-day convention here last week of the National Fertilizer Association, the executive committee has again named Spence L. Carter of Richmond, Va., president of the association. Other officers renamed include E. L. Robins, Meridian, Miss., vice-president; Charles H. Brand, Washington, executive secretary and treasurer, and John D. Tolle, Philadelphia, assistant secretary.

The superior service of Kelly Kats



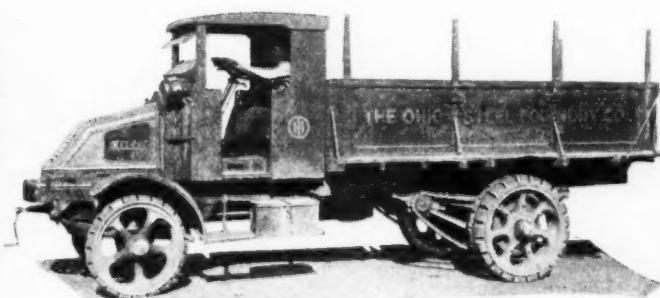
Kelly Kat Tires give 50% more cushioning than plain solids. Apart from the extra protection this affords breakable loads, the additional cushioning saves the engine from being pounded into the repair shop.

Kats can travel any kind of road. The side-vent construction, originated and perfected by Kelly, gives them a grip that takes a firm hold on mud or sand or icy pavements and pushes the truck steadily forward.

One of the most important features of Kelly Kats is their economy. They are made of a tough, wear-resisting rubber that withstands the effects of hard usage. Kelly Kats cut mileage costs to the bone.

Claims of the superiority of Kelly Kat Tires are based not on the experience of only one truck owner, but on that of thousands.

KELLY-SPRINGFIELD TIRE CO.
250 West 57th Street New York, N. Y.



Experience has shown the Ohio Steel Foundry Co., Springfield, O., that Kelly Kats will stand up under hard usage. Carrying heavy loads over roads of all kinds, is work that Kats do quickly and economically.



FINANCIAL NEWS

Bond Issues Proposed

Ala., Attalla—School—City voted \$12,000 bonds. Address Pres. Board of Trustees.*

Fla., Bradenton—School—Manatee County Board of Public Instruction receives bids July 2 for \$71,000 bonds.

Fla., Davenport—School—City votes July 10 on \$95,000 bonds. Address Pres. School Board.

Fla., DeFuniak Springs—Municipal Improvement—Town, E. L. Townsend, Mayor, receives bids July 2 for \$92,000 6% bonds; \$63,000, street paving; \$5000, park improvement; \$24,000, town hall.

Fla., DeLand—Obligation—City, N. B. Montreville, Clk., receives bids June 30 for \$260,000 6% \$1000 denom. bonds.

Fla., Hollywood—Harbor—City, Chas. H. Windham, Mgr., voted \$2,000,000 bonds.*

Fla., DeLand—Improvement—Board of Bond Trustees, E. R. Conrad, receives bids June 30 for \$260,000 6% \$1000 denom. bonds.

Fla., Dunnellon—Municipal Improvement—City plans voting on \$352,860 bonds: \$30,000, extension water and sewer mains; \$80,000, rehabilitate water system; \$242,860, paving. Address City Clk.*

Fla., Fort Lauderdale—Paving—City Comm., Glenn E. Turner, City Clk., plans selling \$441,000 bonds.

Fla., Fort Lauderdale—Improvement—City, Glenn E. Turner, Clk.-Auditor, receives bids June 29 for \$1,000,000 bonds.*

Fla., Jacksonville—Municipal Improvement—City, M. W. Bishop, Sec., receives bids June 24 for \$1,000,000 5% \$1000 denom. bonds: Water works; incinerators; fire station improvement.

Fla., Lake Alfred—Lighting—City, H. B. Howell, Clk., receives bids June 25 for \$20,000 6% \$1000 denom. bonds; Wm. H. Shinn, Mayor.

Fla., Lakeland—Municipal Improvement—City Comm. plans selling \$262,000 street and \$30,000 fire-alarm system extension bonds.

Fla., Orlando—Municipal Improvement—City, J. A. Stinson, Clk., voted \$170,000 bonds: \$50,000, fire stations; \$50,000, land for additional incinerator; \$70,000, install and equip police and fire-alarm signal system; defeated \$1,421,000 bonds.*

Fla., Sarasota—Storm Drainage System—City, J. R. Brumby, Jr., Commr. of Public Works, will call election soon on \$150,000 bonds.

Fla., Sarasota—Golf Course and Building—City, J. R. Brumby, Jr., Commr. of Public Works, will call election July 20 on \$175,000 bonds.

Fla., Sebring—School—Highlands County School Board, F. N. K. Bailey, Supt. and Sec., will call election July 9 on \$100,000 Sebring Dist. and \$60,000 Avon Park Dist. bonds.

Fla., St. Augustine—School—St. Johns County Special Tax School Dist. No. 1, voted \$250,000 bonds. Address Board of Public Instruction, Robt. B. Meserve, Supt.; plans selling bonds.*

Fla., Tampa—Drainage—Interbay Drainage Dist., A. C. Clewis, Treas., 32 Giddens Bldg., receives bids July 6 for \$1,000,000 6% \$1000 denom. bonds.

Fla., Verna—Improvement—City, G. T. Smith, Clk., receives bids for \$80,000 6% bonds.

Fla., Vernon—Jail—Washington County Commrs., T. D. Owens, Chmn., receive bids June 21 for \$50,000 6%, \$1000 denom. bonds.

Fla., West Palm Beach—School—Palm Beach County Board of Public Instruction, Capt. A. S. Anderson, Chmn., will call election soon on \$800,000 School Dist. No. 1 bonds.

Ga., Savannah—Road—City, J. Ward Motte, Director of Public Works, plans \$23,451 bond issue; W. O'D. Rockwell, City Engr.

Ky., Albany—Road—Clinton County, C. L. Shelley, County Judge, will call election August 7 on \$50,000 bonds.

Ky., Greenup—Road—Greenup County voted \$200,000 bonds. Address County Commissioners.*

Ky., Morehead—Road—Rowan County Fiscal Court may call election on \$75,000 bonds.

Ky., New Castle—Road, Bridge—Henry County Commrs., M. J. Jones, County Judge, receives bids June 22 for \$150,000 4½% \$1000 denom. bonds.

Ky., Sandy Hook—Road—Elliott County Fiscal Court, Allie Young, Judge, plans bond election.

La., Bastrop—School—Morehouse Parish School Board will call election July 5 on \$65,000 bonds for school at Bonita.

La., Baton Rouge—Wharves, River Terminals—City Comm., Geo. F. Brogdon, Sec., receives bids July 6 for \$300,000 5% bonds; L. J. Ricaud, Commr. of Finance.*

La., Benton—School—Bossier Parish School Board, R. V. Kerr, Sec., receives bids July 1 for \$80,000 5% \$1000 denom. Consolidated School Dist. No. 1 bonds.

La., Lake Charles—Drainage—Calcasieu Parish, Gravity Drainage Dist. No. 2, Vinton, votes June 22 on \$40,000 6%, \$1000 denom. bonds. Address Parish Police Jury.

La., Minden—Fire-Fighting Equipment—City voted \$30,000 bonds. Address City Clk.*

Miss., Collins—Road—Covington County Commrs. plan \$50,000 bond issue.*

Miss., McLaurin—School—McLaurin Consolidated School Dist. voted \$20,000 bonds. Address Pres. Board of Trustees.*

Miss., Pascagoula—Bridge—Jackson County Board of Suprvs., K. W. Burnham, Pres., receives bids soon for \$275,000 bonds.*

Miss., Tupelo—School—City, H. R. Dabbs, Clk., receives bids July 6 for \$125,000 6% bonds; D. W. Robins, Mayor. Lately noted bids June 6.

Mo., Jefferson City—Garbage and Sewage—City, C. W. Thomas, Mayor, will call election soon on bonds.

Mo., Richmond—School—Camden Consolidated School Dist. voted \$30,000 bonds. Address Pres. Board of Trustees.

N. C., Asheville—School—Buncombe County Board of Education plans calling election soon on \$40,000 bonds for Barnesville Dist.

N. C., Gastonia—Municipal Improvement—Gaston County Commrs., L. E. Rankin, Clk., receives bids June 22 for \$100,000 bridge and road bonds and \$50,000 courthouse and jail 5% bonds.

N. C., Rocky Mount—School—Board of Graded School Trustees, Geo. R. Edwards, Sec., will call election August 9 on \$350,000 bonds. Lately noted election June 7.

N. C., Waynesville—County Hospital—Haywood County voted \$100,000 bonds. Address County Commrs.

Okla., Cushing—Municipal Improvement—City plans \$75,000 bond election: \$20,000, public library; \$20,000, city park; \$12,000, white way; \$13,000, fire truck and equipment; \$10,000, city reservoir. Address City Clk.

Okla., Enid—Municipal Improvement—City Comm. received high bid jointly from First National Bank, Enid, and Commerce Trust, 10th and Walnut Sts., Kansas City, Mo., at \$3479 for \$307,000 4½% bonds.

Okla., Wetumka—Sewage Disposal Plant—City voted \$30,000 bonds; V. V. Long & Co., Engrs., 1300 Colcord Bldg., Oklahoma City.

S. C., Charleston—Paving—City, W. S. Smith, Treas., received high bid from South Carolina National Bank, Charleston, at \$39,788, for \$39,000 5% \$1000 denom. bonds.*

S. C., Dillon—Municipal Improvement—City votes June 28 on \$100,000 bonds: \$75,000, street; \$25,000, storm drainage extension. Address City Clk.

S. C., Greenville—Water Works—City, W. H. Cassell, Mayor, will call election June 29 on \$65,000 bonds.*

Tenn., Covington—Paving—City plans \$18,000 to \$20,000 bond issue. Address City Clk.

Tenn., Hohenwald—Water Works—Town plans voting July 2 on bonds. Address Town Clk.

Tenn., Humboldt—School—Gibson County defeated \$125,000 bond issue. Address County Commrs.*

Tex., Brady—School Improvement and Equipment—City votes July 2 on \$25,000 bonds. Address City Clk.

Tex., Corpus Christi—School—Commrs. of Nueces County Common School Dist. No. 4 will call election on \$12,000 bonds.

Tex., Dallas—School—City, M. E. James, Sec., receives bids June 18 for \$650,000 4½% bonds.*

Tex., Dublin—Sewer—City voted \$15,000 bonds. Address City Clk.*

Tex., Eagle Pass—Irrigation—Maverick County voted \$50,000 bonds; C. E. Wright, City Engr.*

Tex., Elgin—School—City plans selling \$94,000 Elgin School Dist. bonds. Address Pres. Board of Education.

Tex., Harlingen—Municipal Improvement—City Comm. will call election June 22 on \$175,000 bonds: \$125,000, paving; \$3000, complete city hall and fire station; \$5000, incinerator; \$10,000, water works improvement; \$25,000, sewers; \$2000, city parks; \$5000, sidewalks.

Tex., Kyle—Water Works—City defeated \$60,000 bonds. Address City Clk.*

Tex., Nacogdoches—School—Nacogdoches Independent School Dist., R. H. Davis, Supt. of Schools, votes June 28 on \$60,000 bonds.*

Tex., Paducah—School—Paducah Independent School Dist. voted \$70,000 bonds. Address Pres. Board of Trustees.

Tex., Sweetwater—School—City votes June 29 on \$225,000 bonds; W. H. Bartlett, Sec., Board of Education.

Tex., Waco—Water Works—City, E. E. McAdams, Mgr., will call election soon on \$3,000,000 to \$4,000,000 bonds; Floyd, Loughbridge & Gillispl, Engrs., Wilson Bldg., Dallas.*

Va., Petersburg—Anticipation Notes—City, City Mgr. Drewry, plans issuing \$250,000 short-term notes.

W. Va., Pineville—Road—Wyoming County Commrs. will call election soon on \$325,000 Clearfork Road Dist. bonds.

Bond Issues Sold

Ala., Selma—Courthouse Annex—Court of County Revenues of Dallas County, W. M. Vaughan, Probate Judge, sold \$50,000 5% bonds jointly to Steiner Bros., Birmingham, and Ward, Sterne & Co., Montgomery, at \$50,580 and accrued interest.*

Fla., Bradenton—Road—Manatee County Commrs., Robt. H. Roesch, Clk., sold to Braun, Bosworth & Co., Toledo, Ohio, \$350,000 5½% bonds at 96.4, \$200,000 5% bonds at 93.33.*

Fla., Fort Lauderdale—School—Broward County Board of Public Instruction, Jas. S. Rickards, Sec., sold \$200,000 6% Special Tax School Dist. No. 2 bonds to Prudden & Co., Home Bank Bldg., Toledo, Ohio, at 96.*

Ga., Americus—Road—Sumter County Commrs. sold \$20,000 4½% bonds to Trust Co. of Georgia, Atlanta, at premium of \$21,517.*

Ky., Greenup—Road, Bridge—Greenup County Commrs. sold \$100,000 5% bonds to Weil, Roth & Irving Co., Dixie Terminal Bldg., Cincinnati, at premium of \$305.

Fla., Kissimmee—Sewer, Water Wrks—City, P. P. Pilcher, Mgr., sold \$596,000 6% \$1000 denom. bonds to J. B. McCrary Co., Atlanta, at 95 plus accrued interest.*

Fla., Port Tampa—School—Hillsborough County Board of Education, Tampa, sold \$150,000 bonds to Stranahan, Harris & Oatis, Inc., Spitzer Bldg., Toledo, Ohio, at 97.64.*

Fla., Tampa—Road, Bridges—Hillsborough County Commrs., W. A. Dickenson, Clk., sold \$1,000,000 bonds to Austin Grant & Co., Inc., 22 William St., New York, and National Exchange Bank, Tampa, at \$973,000 and accrued interest.

Md., Annapolis—State, John M. Dennis, Treas., sold to Alexander Brown & Sons, Baltimore, \$1,500,000 4½% road bonds at \$103.6441 per \$100 par value and accrued interest; \$300,000 4½% bridge building and grade crossing elimination bonds at \$103.6441 per \$100 par value and accrued interest.*

Md., Oakland—Lateral Road—Garrett County Commrs. sold \$31,000 bonds to syndicate composed of Mercantile Trust & Deposit Co. and Stein Bros. & Boyce, Baltimore.

Miss., Bassfield—School—Jefferson Davis County Board of Suprvs. sold \$20,000 Bassfield Consolidated School Dist. bonds to A. K. Tigrett & Co., 80 Madison Ave., Memphis, Tenn., at premium of \$525; also sold Carson Consolidated School Dist. bonds to Bank of Blountville.

Miss., Gulfport—Seawall—Harrison County Board of Suprvs., Eustis McManus, Clk., sold \$1,400,000 5½% bonds to syndicate composed of Hibernia Securities Co., New Orleans; Central State National Bank, Memphis; Whitney Central Trust and Savings Bank, Fidelity National Bank, both New Orleans; Caldwell & Co., Nashville, Tenn.; Seasongood & Mayer, Cincinnati, Ohio, at par, accrued interest and premium of \$23,675.*

(Continued on page 120)

In writing to parties mentioned in this department it will be of advantage to all concerned if the Manufacturers Record is mentioned.

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FINANCIAL NEWS

(Continued from page 118)

Miss., Hazlehurst—School—Copiah County Comms. sold \$30,000 bonds to Bank of Hazlehurst at premium of \$475.

Miss., Lyman—School—School Board sold \$45,000 5½% Lyman Consolidated School Dist. bonds to Merchants Bank & Trust Co., Jackson, Miss., at premium of \$115.50.*

Miss., Pascagoula—Road—Jackson County Board of Suprs., K. W. Burnham, Pres., sold \$84,000 6% Beat Three bonds to Caldwell & Co., 400 Union St., Nashville, Tenn., at premium of \$5232.

Mo., Moberly—Sewage Disposal Plant—City, G. F. Rothwell, Clk., sold \$75,000 4½% bonds to Smith, Moore & Co., St. Louis, at \$101 per \$100 and accrued interest.*

N. C., Boone—Street—Town, A. Y. Howell, Clk., sold \$50,000 6% bonds to Spitzer, Rorick & Co., Nicholas Bldg., Toledo, Ohio, at \$51.169 and accrued interest.*

N. C., Spencer—School—Town, Wm. D. Kiziah, Clk., sold \$100,000 5¼% bonds to Braun, Bosworth & Co., Second Natl. Bank Bldg., Toledo, Ohio, at \$100,600.*

N. C., Statesville—Refunding—Iredell County, A. L. Lowrance, Register of Deeds, sold \$50,000 4% bonds to Mercantile Trust Co., 721 Locust St., St. Louis, Mo., at \$50,815.*

Okla., McAlester—Courthouse—Pittsburg County Comms., Melvin A. Wilkins, County Clk., sold \$200,000 4½% bonds to J. D. Bennett, County Treas., at par and accrued interest.*

Tenn., Kingsport—Public Improvement—City, J. R. Pecktal, Clk., sold \$97,500 5½% bonds jointly to Caldwell & Co., Nashville, and Little, Wooten & Co., Jackson, Tenn., at par, accrued interest and premium of \$1725.*

Tenn., Knoxville—Viaduct—City, John C. Borden, Director of Finance, sold \$250,000 bonds to Sinking Fund Comm. at par and premium of \$1722.*

Tenn., Memphis—Improvement—City, C. C. Pashby, Clk., sold \$1,007,000 bonds to syndicate composed of Estabrook & Co., Graham, Parsons & Co., Kissel, Kinnicutt & Co., and Hannahs, Ballin & Lee, all New York, at 100.407.*

Tenn., Savannah—Highway—Hardin County, A. A. Watson, County Judge, sold \$39,000 5% bonds to First National Bank, Savannah, at \$39,803, accrued interest and costs.*

Va., Harrisonburg—Improvement—City, Ward Swank, Clk., sold \$125,000 5% bonds to Braun, Bosworth & Co., Second Natl. Bank Bldg., Toledo, Ohio, at premium of \$5050.*

Va., Martinsville—Paving, Water Works—City, A. S. Gravley, Clk., sold \$200,000 5½% bonds to Braun, Bosworth & Co., Second Natl. Bank Bldg., Toledo, Ohio, at premium of \$1047.*

Va., Newport News—Water Works—City, A. M. Hamilton, Clk., sold \$2,400,000 4¾% bonds to First National Bank of Newport News at premium of \$14,000.*

Va., Richmond—Highway Indebtedness—

Board of Sinking Fund Commrs., Rosewell Page, Pres., sold \$4,000,000 4¼% bonds to First and Merchants National Banks, Richmond, and Guaranty Trust Co. of New York, at \$4,042,399.*

W. Va., Charleston—School—City sold \$100,000 Charleston Independent School Dist. bonds to C. W. McNear, 76 W. Monroe St., Chicago, Ill., at premium of \$7039.

W. Va., Hinton—School—City sold \$100,000 Hinton Independent School Dist. bonds to N. S. Hill & Co., Traction Bldg., Cincinnati, Ohio, at premium of \$3472.

W. Va., Parkersburg—School—City sold \$114,000 Parkersburg Independent School bonds to C. W. McNear, 76 W. Monroe St., Chicago, at premium of \$7039.

W. Va., Williamson—Mingo County Comms. sold \$226,000 Lee Dist. bonds to Prudden & Co., Home Bank Bldg., Toledo, at premium of \$14,373.

Building and Loan Associations

Ala., Montgomery—Peoples Building & Loan Assn., capital \$1,000,000, chartered; A. C. Davis, Pres., 1304 S. Hull St.

New Financial Corporations

D. C., Washington—Federal City Securities Co., capital \$1,000,000, organized; Peter A. Drury, Pres.; Wm. Henry White, Sec.

Fla., Fort Pierce—First National Bank

(Continued on page 114)

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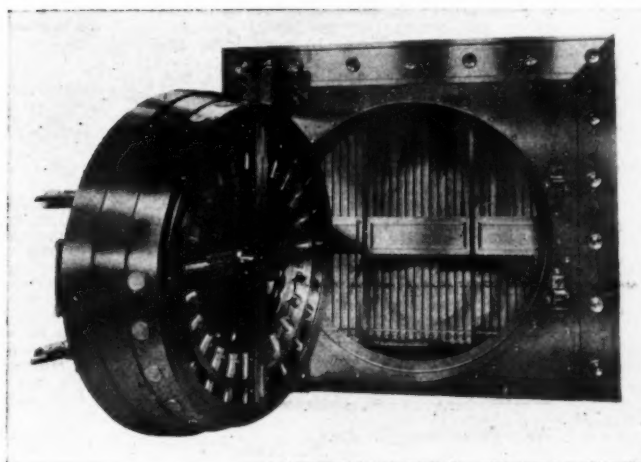
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PROPOSALS

BOND ISSUES

BUILDINGS

PAVING

GOOD ROADS



Bids close June 24, 1926.

U. S. Engineer Office, Jacksonville, Fla. Sealed proposals for dredging, rock removal and constructing jetty foundations between the ocean and the harbor at Miami, Fla., will be received here until 12 o'clock noon June 24, 1926, and then opened. Information on application.

Bids close July 6, 1926.

TREASURY DEPARTMENT, Supervising Architect's Office, Washington, D. C., June 7, 1926. SEALED PROPOSALS will be opened in this office at 3 P. M. July 6, 1926, for a new toilet room, etc., at the U. S. Post Office and Court House, Chattanooga, Tenn. Drawings and specifications may be obtained from the Custodian, U. S. Post Office and Court House, Chattanooga, Tenn., or from this office, in the discretion of the Supervising Architect, Jas. A. Wetmore, Acting Supervising Architect.

Sale of \$13,000 5½% Bonds

\$13,000 5½% interest-bearing bonds on West Green School District, Coffee County, Georgia. Good railroad, public highway, church and school facilities. Center bright-leaf tobacco section of Georgia. Progressive community. Communicate at once with J. H. Green, Secy.-Treas. Board of Trustees, West Green, Ga.

Bids close July 2, 1926.

\$92,000 6% Municipal Bonds

The Town Council of the Town of De Funiak Springs, Florida, will receive sealed proposals at the office of the Clerk of said town on or before 12 o'clock noon July 2, 1926, for the purchase of all or any part of \$63,000 of municipal bonds for street paving; \$5,000 park improvement and \$24,000 Town Hall. Bonds to be dated January 1, 1926, bearing interest at six per cent, payable semi-annually. A certified or local cashier's check of 5 per cent of the amount of bonds bid for, payable to the Town of DeFuniak Springs, Florida, to insure payment if bid is accepted must accompany each bid.

All bids shall be filed with the Town Clerk. The Town Council reserves the right to reject any and all bids. Approving opinion of recognized Bond Attorneys as to the validity of bonds will be furnished successful bidder. For further information address

E. L. TOWNSEND, Mayor;
D. STUART GILLIS,
City Attorney,
DeFuniak Springs, Florida.

Bids close June 17, 1926.

\$20,000 6% School Bonds

Bushnell, Fla.

Notice is hereby given that the Board of Public Instruction in and for Sumter County, Florida, will receive bids up to 12 o'clock noon on the 17th day of June, 1926, at the office of the Superintendent of Public Instruction in Bushnell, Florida, for Twenty Thousand (\$20,000) Dollars, bonds of Special Tax School District Number Nine of Sumter County, Florida. Said bonds being dated July 1, 1925, and in the denomination of One Thousand (\$1000) Dollars each, bearing interest at the rate of six per cent per annum, interest payable semi-annually, both interest and principal payable at Hanover National Bank of the City of New York, and said bonds being due and payable as follows: One of said bonds shall be due and payable July 1, 1928, and one of said bonds shall be due and payable on July 1 of each and every year thereafter up to and including July 1, 1947.

A deposit of 2 per cent of the bid will be required as evidence of good faith, and the Board reserves the right to reject any and all bids.

W. T. EDDINS,
Superintendent of Board of Public
Instruction, Sumter County, Florida.

RATE: 35 cents per line per insertion.

PUBLICATION DAY: Thursday.

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The Daily Bulletin can be used to advantage when copy cannot reach us in time for publication in the Manufacturers Record before bids are to be opened, or when daily publications are necessary to meet legal requirements.

The same rate applies—35 cents per line per insertion.

Bids close June 23, 1926.

TREASURY DEPARTMENT, Office of the Supervising Architect, Washington, D. C., June 8, 1926. SEALED PROPOSALS will be opened in this office at 3 P. M. June 23, 1926, for construction of fireproof floor, steps, etc., for Mess Hall Corridor at the U. S. Marine Hospital, Baltimore, Md. Drawings and specifications may be obtained from the surgeon in charge or at this office, in the discretion of the Supervising Architect, Jas. A. Wetmore, Acting Supervising Architect.

Bids close June 21, 1926.

\$425,000 5½% Improvement Bonds

NOTICE IS HEREBY GIVEN that up to and until 7.30 o'clock P. M. on the 21ST DAY OF JUNE, A. D. 1926,

sealed proposals will be received by the City Commission of the City of Winter Park, at the City Hall at Winter Park, Florida, for the purchase of Four Hundred and Twenty-five Thousand Dollars City of Winter Park Improvement Bonds, said bonds being voted general obligations of said city, authorized by Ordinances Nos. 151 to 156, inclusive, of the City of Winter Park, duly adopted on the 1st day of March, A. D. 1926, pursuant to Chapter 11325, Laws of Florida, 1925; said bonds to bear interest at the rate of five and one-half per centum (5½%) per annum and to be dated July 1, 1926; interest payable semi-annually on July 1 and January 1 of each year, both principal and interest being payable at the National Bank of Commerce, in the city of New York, State of New York, said bonds being of the denomination of One Thousand Dollars each and maturing thirty years after the date of issuance thereof.

The full faith and credit of the City of Winter Park is irrevocably pledged for the payment of the principal and interest of said bonds.

The above issues of bonds to be sold subject to the approving opinion of Messrs. Caldwell & Raymond, Attorneys, to be furnished by the City of Winter Park to the purchaser thereof.

All bids must be accompanied by a certified check for two per cent (2%) of the amount of the bonds to be sold.

Bids may be submitted in the alternative as to rate of interest bonds are to bear, the alternative bid to be based on a rate of interest less than 5½ per cent. Amounts bid for said bonds must be stated in dollars and cents.

The City Commission of the City of Winter Park reserves the right to reject any and all bids.

By order of the City Commission of the City of Winter Park.

Dated this 24th day of May, A. D. 1926.

E. F. BELLINGS,
City Clerk of the City of Winter Park.

GEO. A. DECOTTES,
City Attorney.

Bids close June 29, 1926.

TREASURY DEPARTMENT, Supervising Architect's Office, Washington, D. C., May 28, 1926. SEALED PROPOSALS will be opened in this office at 3 P. M. June 29, 1926, for repairs to plumbing at the U. S. Marine Hospital, St. Louis, Mo. Drawings and specifications may be obtained from the Medical Officer in charge, U. S. Marine Hospital, St. Louis, Mo., or from this office, in the discretion of the Supervising Architect, Jas. A. Wetmore, Acting Supervising Architect.

Bids close June 29, 1926.

Bridge

DEPARTMENT OF PUBLIC WORKS
STATE OF MARYLAND
STATE ROADS COMMISSION
NOTICE TO CONTRACTORS

Baltimore, Md.

SEALED PROPOSALS for building one bridge, as follows:

Frederick County, Cont. F-84—One single 60'0" span reinforced concrete arch bridge with a 24'0" clear roadway over Ballenger Creek, about 3 miles south of Frederick on the Buckeystown Pike, together with necessary fill, etc.

Will be received by the State Roads Commission at its offices, 601 Garrett Building, Baltimore, Maryland, until 12 M. on the 29th day of June, 1926, at which time and place they will be publicly opened and read.

Bids must be made upon the blank proposal form which, with specifications and plans, will be furnished by the Commission upon application and cash payment of \$1, as hereafter no charges will be permitted.

No bids will be received unless accompanied by a certified check for the sum of Five Hundred (\$500) Dollars, payable to the State Roads Commission.

The successful bidder will be required to give bond and comply with the Acts of the General Assembly of Maryland respecting contracts.

The Commission reserves the right to reject any and all bids.

BY ORDER of the State Roads Commission this 12th day of June, 1926.

JOHN N. MACKALL, Chairman.
L. H. STEUART, Secretary.

Bids close July 2, 1926.

Bridge and Causeway

Vero Beach, Fla.

Sealed bids will be received by the Vero Beach-Detroit Company at the office of Carter & Damerow, Engineers, until 2 P. M. July 2, 1926, for the following work:

2144 lineal feet of creosoted timber trestle.

One 23-foot roadway, 60-foot channel span, double-leaf, bascule type bridge.

One 24x30 5-room operator's house.

3100 lineal feet of creosoted timber bulkhead.

90,000 cubic yards hydraulic fill.

The company reserves the right to reject any or all bids, and to waive any or all technicalities in awarding the contract.

Each bid must be upon the blank forms provided in Proposal, Specifications and Contract.

Each bid must be accompanied by a certified check for 5% of the amount of the bid, and the contractor must provide a construction bond for 100% of his bid.

Plans, Specifications and Forms of Contract and Bond may be examined at the office of Carter & Damerow, Engineers for the Company, at Vero Beach, Florida, or sets may be obtained from them by making a deposit of fifteen dollars (\$15), ten dollars of which will be refunded upon their return within fifteen (15) days following the opening of the bids.

VERO BEACH-DETROIT COMPANY.

By STANLEY C. WILSON,
Assistant General Manager.

Bids close July 7, 1926.

Bridge

Orlando, Fla.

Sealed proposals will be received by the City Commissioners of the City of Orlando, Florida, at the office of the City Clerk in the City Hall at Orlando, Florida, until 9 A. M. July 7, 1926, for the construction of a bridge over Fern Creek on Washington street in the City of Orlando, Florida.

Proposals for this work shall be presented in a sealed envelope and marked "Bid for Washington Street Bridge."

Each proposal shall be accompanied by certified check in the sum of Seven Hundred Fifty Dollars (\$750), made payable to the City of Orlando, Florida.

The successful bidder will be required to give bond satisfactory to the city in a sum equal to the contract price for the faithful performance of the work.

Bidders may submit alternate bids based upon plans and specifications furnished by themselves in lieu of the plans furnished by the city. After alternate plans are submitted and later accepted by the city, complete stress diagrams must be furnished to the city before the contract is signed. Plans may be obtained from the City Engineer at Orlando, Florida, for this contract upon the depositing of Fifteen Dollars (\$15) for each set of plans desired; Ten Dollars (\$10) of each deposit will be returned upon the return of the plans.

The City Commissioners reserve the right to reject any and all bids.

J. A. STINSON, City Clerk.

Bids close July 15, 1926.

Bridge

Baton Rouge, La.

Sealed proposals will be received at the office of the Louisiana Highway Commission, Raymond Building, Baton Rouge, La., up to 11 o'clock A. M.

THURSDAY, JULY 15, 1926,

at which place and time they will be publicly opened, for the construction of the Tensas River Bridge, Federal Aid Project No. 161-C, on the Sicily Island-Clayton Highway, in the parishes of Catahoula and Concordia. Location of the proposed bridge is approximately 500 feet northeast of the Missouri Pacific Railroad Bridge at Clayton, Louisiana.

The construction consists of furnishing all material and building one 160-ft. steel swing span, two 140-ft. steel fixed truss spans and two 30-ft. concrete deck girder approach spans, all on concrete piers and abutments, with pile footings. The approximate quantities involved are:

990 Cubic Yards of Structural Excavation.

1135 Cubic Yards Class "A" Concrete (in piers and abutments).

81,165 Pounds Reinforcing Steel.

192,660 Feet Board Measure Creosoted Lumber.

13,250 Lineal Feet Creosoted Piling (in fenders).

1400 Lineal Feet Creosoted Foundation Piling.

4470 Lineal Feet Untreated Foundation Piling.

700 Lineal Feet Reinforced Concrete Foundation Piling.

14 Test Piles.

438,700 Pounds of Fabricated Structural Steel (in trusses).

48,000 Pounds Machinery and Steel Castings (in draw span).

1 Power Plant (in draw span).

190 Cubic Yards Class "E" Concrete (in floor slabs).

304 Square Yards Rock Asphalt Wearing Surface.

Information as to the location, character, of work, extent and class of material, terms of payment, regulations governing the manner of submitting proposals and executing contract may, upon application, be obtained at the office of the Louisiana Highway Commission, Raymond Building, Baton Rouge, Louisiana. Plans and specifications may be inspected at the office of the Commission in Baton Rouge, or will be furnished upon receipt of \$5.00 as payment therefor, not to be refunded.

W. B. ROBERT,

State Highway Engineer.

W. E. ATKINSON,

Chairman Louisiana Highway Commission.

Bids close July 9, 1926.

Jefferson Street and Walnut Avenue Bridges at Roanoke, Va.

Sealed proposals for the construction of a Reinforced Concrete Arch Bridge consisting of two (2) eighty (80) foot and one (1) one hundred and eighty (180) foot spans over the Virginian Railway Tracks at Jefferson Street and a Reinforced Concrete Arch Bridge consisting of five (5) one hundred and six (106) foot spans over the Virginian Railway Tracks, the Norfolk & Western Railway Tracks and the Tracks of the Roanoke Railway & Electric Company on Walnut Avenue in the City of Roanoke, Virginia, will be received by W. P. Hunter, City Manager, at his office in the Municipal Building, Roanoke, Virginia, until 11 o'clock A. M. Friday, July 9, 1926, at which place all regular proposals accompanied by the required certified checks will be received and will be publicly opened and tabulated in the Council Room of the Municipal Building at 3 P. M.

The Plans, Specifications, Proposal and Bond will be on file at the office of W. P. Hunter, City Manager, in the Municipal Building at Roanoke on and after Monday, June 7, 1926, and copies of same may be obtained by contractors on and after that date at the office of B. H. Davis, Consulting Engineer, Whitehall Building, New York City, upon payment to him of Fifty (\$50) Dollars for the printing of Plans and Specifications, which sum will be refunded to each Contractor returning all papers in fair condition to the Consulting Engineer on or before July 9, 1926.

A certified check in the sum of Thirty Thousand (\$30,000) Dollars, drawn to the order of the City of Roanoke, Virginia, must accompany each proposal, and each proposal accompanied by the required certified check must be delivered in separate enclosures to W. P. Hunter, City Manager, Municipal Building, Roanoke, Virginia.

A Surety Bond in the sum of Three Hundred Thousand (\$300,000) Dollars will be required of the successful bidder. The Certified Check of the successful bidder will be held until the contract is signed and a satisfactory Surety Bond for the faithful performance of the contract is filed and approved.

Estimates of the value of the work done by the contractor will be made on or about the first (1st) of each month. Payments amounting to eighty-five (85%) per cent of such monthly estimate will be paid on the twelfth (12th) of each month. Upon presentation of receipted bills by the Contractor for materials of construction delivered to the bridge site, payments amounting to eighty-five (85%) per cent of the value of such materials delivered will be paid on the twelfth (12th) of each month.

Owing to traffic conditions, one bridge will have to be completed before the other is started. Time of completion will be an important factor in the consideration of bids, and the contractor to whom the work is awarded will be held strictly to the terms of the contract regarding the diligent prosecution of the work and the time of completion of same. No proposal will be considered which fixes the completion of the bridges at a date later than May 1, 1928.

The right is reserved to reject any or all bids.

CITY OF ROANOKE.

W. P. HUNTER, City Manager.

B. H. DAVIS, Consulting Engineer.

Bids close June 22, 1926.

Roads and Bridges

Charleston, W. Va.

Sealed proposals will be received by the State Road Commission of West Virginia at its office in Charleston, W. Va., until 10 o'clock A. M. on the 22d day of June, 1926, and said proposals will be opened and read immediately thereafter at the Kanawha County Courthouse, Charleston, W. Va., for the construction of the following sections of State Roads and Bridges:

Project 3178, Fayette County—6.8 miles of Ansted-Hico Road for Surface Treatment with Cold Tar Application. Certified check \$500.

Project 3041 and part of Project 77, Greenbrier County—6.5 miles of Crawley-Clintonville Road for Surface Treatment with Cold Tar Application. Certified check \$500.

Part of Project 127-A, Greenbrier County

—4.0 miles of Wilsons-Richlands Road for Surface Treatment with Cold Tar Application. Certified check \$500.

Project 3355 or 157, Fayette County—3.5 miles of Beckwith-Cotton Hill Station Road for Grading and Draining. Certified check \$4500.

Project 3375, Summers County—3.0 miles of Lowell-Big Bend Tunnel Road for Grading and Draining. Certified check \$1800.

Project 3326-B, Putnam County—5.73 miles of Robertsburg-Woods Road for Gravel Surfacing. Certified check \$500.

Project 3332, Putnam County—0.6 mile at Red House for Grading and Draining. Certified check \$750.

Project 3326-C, Putnam County—Rumer Bridge No. 1032, Concrete Deck Girder, one 50-ft. and two 30-ft. spans. Substructure and Superstructure in one contract. Certified check \$600.

Project 144-B, Marshall County—3.5 miles of Denver-Wetzel County Line Road for Paving with Cement Concrete. Certified check \$4500.

Project 144-C, Wetzel County—2.0 miles of Marshall County Line-Littleton Road for Paving with Cement Concrete. Certified check \$2500.

(Note—Both projects to be let in one contract.)

Project 3335-A or F. A. No. 156, Lewis County—10.0 miles of Road from Weston south for Grading and Draining. Certified check \$8000.

Project 3281 or F. A. No. 155-B, Taylor County—7.0 miles of Pruntytown-Marion County Line Road for Grading and Draining. Certified check \$4000.

Project 152-A, Randolph County—Mill Creek Bridge No. 1052, Steel Pony Truss, 90-ft. span, with Concrete Substructure.

Separate bids will be received for substructure—certified check \$500—and for superstructure—certified check \$500.

Proposals will be received only upon State Standard forms in accordance with plans, specifications and estimates of quantities therefor, which standard forms, plans, specifications and estimates of quantities may be obtained from the office of the Division Engineer in whose territory the proposed construction is located or from the office of the State Road Commission at Charleston, West Virginia.

Each proposal must be accompanied by a certified check for the amount noted.

The right is reserved to reject any or all proposals.

THE STATE ROAD COMMISSION OF WEST VIRGINIA.

E. B. CARSKADON, Secretary.

Bids close June 29, 1926.

Highway Construction

DEPARTMENT OF PUBLIC WORKS
STATE OF MARYLAND
STATE ROADS COMMISSION
NOTICE TO CONTRACTORS

Baltimore, Md.

SEALED PROPOSALS for building one section of State Highway, as follows: Baltimore City, Cont. BC-61—One section of State Highway along the Belair Road from Eutaw Heights to Southern Avenue for a distance of 0.55 mile. (Sheet asphalt.)

Will be received by the State Roads Commission, at its offices, 601 Garrett Building, Baltimore, Maryland, until 12 M. on the 29th day of June, 1926, at which time and place they will be publicly opened and read.

Bids must be made upon the blank proposal form which, with specifications and plans, will be furnished by the Commission upon application and cash payment of \$1, as hereafter no charges will be permitted.

No bids will be received unless accompanied by a certified check for the sum of Five Hundred (\$500) Dollars, payable to the State Roads Commission.

The successful bidder will be required to give bond and comply with the Acts of the General Assembly of Maryland respecting contracts.

The Commission reserves the right to reject any and all bids.

BY ORDER of the State Roads Commission this 12th day of June, 1926.

JOHN N. MACKALL, Chairman.

L. H. STEUART, Secretary.

Bids close July 8, 1926.

TREASURY DEPARTMENT, Office of the Supervising Architect, Washington, D. C., June 14, 1926.—**SEALED PROPOSALS** will be opened in this office at 3 P. M. July 8, 1926, for remodeling and enlarging Parcel Post Annex, United States Post Office, Richmond, Va. Drawings and specifications may be obtained from the Custodian of the building or at this office, in the discretion of the Supervising Architect. Jas. A. Wetmore, Acting Supervising Architect.

Bids close June 22, 1926.

Highway Construction

DEPARTMENT OF PUBLIC WORKS
STATE OF MARYLAND
STATE ROADS COMMISSION
NOTICE TO CONTRACTORS

Baltimore, Md.
SEALED PROPOSALS for building one section of State Highway, as follows: Baltimore City, Cont. BC-60—One section of State Highway along the Belair Road from the Old City Limits to Eutaw Heights Avenue for a distance of 0.54 mile. (Sheet asphalt.)

Will be received by the State Roads Commission, at its office, 601 Garrett Building, Baltimore, Maryland, until 12 M. on the 22d day of June, 1926, at which time and place they will be publicly opened and read.

Bids must be made upon the blank proposal form which, with specifications and plans, will be furnished by the Commission upon application and cash payment of \$1, as hereafter no charges will be permitted.

No bids will be received unless accompanied by a certified check for the sum of Five Hundred (\$500) Dollars, payable to the State Roads Commission.

The successful bidder will be required to give bond and comply with the Acts of the General Assembly of Maryland respecting contracts.

The Commission reserves the right to reject any and all bids.

BY ORDER of the State Roads Commission this 8th day of June, 1926.

JOHN N. MACKALL, Chairman.
L. H. STEUART, Secretary.

Bids close July 19, 1926.

Street Paving

Sealed proposals, addressed to the undersigned and endorsed "Tender for Paving," will be received until 5 P. M. July 19, 1926, for the paving with concrete of certain streets in the City of Apalachicola, Florida, according to plans and specifications in the office of the City Engineer, and which plans may be there seen and examined after June 19. The area to be paved is approximately 43,000 square yards, but may be varied within limits of 10 per cent, more or less. Proposals are to be made on forms supplied by the undersigned and will be furnished on request. All proposals must be accompanied by a certified check for the sum of \$1000, payable to the City Treasurer, Apalachicola. Checks will be returned to bidders upon rejection of their bid and to the successful bidder upon execution of the formal contract. The City Commissioners reserve the right to consider the proposals at any time within five days after date set for final receipt and to accept any one or reject any or all of them.

F. B. WAKEFIELD,
City Treasurer.
Apalachicola, Florida, June 11, 1926.

Bids close July 8, 1926.

Sidewalk Paving

Dunnellon, Fla.

Sealed proposals addressed to Town of Dunnellon and marked "Sealed Proposal" will be received until 8 P. M. July 8, 1926, to be opened immediately thereafter, for furnishing material, equipment and labor and constructing certain work approximately as follows:

28,470.0 sq. yds. sidewalk paving, including necessary clearing and grading.

Each bid is to be on blank forms furnished by the Clerk, and is to be accompanied by a certified check or bid bond issued through a local agency by a bonding company qualified to do business in the State, made payable to Town of Dunnellon, for

\$3500 or for 5 per cent of bid on any portion less than the whole.

Certified check or bid bond will be forfeited as liquidated damage if contract and bond are not executed within the time specified, if proposal is accepted, otherwise will be returned within ten days.

The right is reserved to reject any and all bids.

Plans and specifications may be seen at the office of the Clerk and the offices of the Engineers, and specifications may be obtained from the Clerk upon payment of \$2.00 to cover cost of reproduction.

T. K. NORTH, Clerk.
E. V. CAMP & ASSOCIATES, INC.,
Consulting, Supervising and Testing Engineers,
Atlanta, Ga.; Bartow, Fla.;
Jacksonville, Fla.

Bids close June 29, 1926.

Street Paving

Sealed proposals on blank forms furnished by the Town, addressed to the Mayor and Council, Hastings, Florida, will be received until 8 P. M. on June 29, 1926, at Hastings, Florida, for furnishing all materials, equipment and labor for doing the following work:

Approximately 62,000 sq. yds. of street paving, together with all necessary drainage, curb and gutter and other work incidental thereto, as set out in the plans and specifications.

Each bid shall be accompanied by a certified check or satisfactory bidder's bond in the sum of not less than Ten Thousand (\$10,000) Dollars, made payable to the Town Clerk.

Plans and specifications can be seen at the office of the Town Clerk in Hastings, Florida, or at the office of the Engineers in Leesburg, Florida; Eustis, Florida, or Elberton, Georgia.

Full sets of plans and specifications will be furnished by the Engineers upon payment of Fifteen (\$15) Dollars, half of which will be refunded upon the return of the plans and specifications in good condition within ten days after the date for receiving bids. Specifications may be obtained from the Engineers upon the payment of Two (\$2) Dollars.

The right is reserved to reject any or all bids.

TOWN OF HASTINGS, FLORIDA.
G. W. LEE, Mayor.
C. W. MALTBY, Town Clerk.
H. S. JAUDON ENGINEERING CO.,
Engineers,
Leesburg, Fla.; Eustis, Fla.;
Elberton, Ga.

Bids close June 23, 1926.

Street Improvements

DEPARTMENT OF PUBLIC WORKS
BUREAU OF HIGHWAYS

Baltimore, June 9, 1926.

Sealed Proposals, executed in duplicate, addressed to the Board of Awards, care of the City Register, will be received by him in his office until 11 A. M. Wednesday, June 23, 1926, to grade, curb and pave with Sheet Asphalt on concrete base the street listed in Contract No. 347:

CONTRACT No. 347:
Sheet Asphalt, 9950 square yards.
Certified Check \$1000.

Specifications and proposal sheets and all other information can be obtained at this office, Room 207½, City Hall. A charge of \$10 will be required for specifications covering this contract, which charge will not be refunded.

The Board of Awards reserves the right to reject any or all bids. A certified check of the bidder on a clearing-house bank, drawn to the order of the Mayor and City Council of Baltimore, to the amount as recited in the specifications must accompany each bid.

Bond in the amount of the contract price will be required of the successful bidder.

STUART PURCELL,
Highways Engineer.

Approved: HOWARD W. JACKSON,
President Board of Awards.

Approved: B. L. CROZIER,
Chief Engineer.

Approved: JOSEPH PATTI, JR.,
Assistant City Solicitor.

Bids close June 22, 1926.

Street Improvements

Sealed proposals will be received by the City Commission of Waycross at the office of the Mayor of Waycross, Georgia, at 8 o'clock P. M. on the 22d day of June, 1926, for furnishing of all labor, material, equipment and other things necessary for the construction of street improvements in the City of Waycross, Georgia.

Proposals will be received on the following types of street pavement: VITRIFIED BRICKS, CONCRETE, VIBROLITHIC, ASPHALT, WILLITE, WARRENITE, ASPHALTIC CONCRETE and ROCK ASPHALT.

The work will consist of the following estimate quantities:

130,000 square yards street pavement.
12,800 lineal feet gutter.
49,000 lineal feet curb and gutter.
35,000 cubic yards grading (street excavation).

Plans and specifications are on file at the office of the City Manager at Waycross, Georgia, and copies of the specifications may be secured upon the payment of \$5.00.

All bids shall be made and received under the terms of the Charter of the City of Waycross and the Acts of the General Assembly of Georgia, approved August 4, 1925, and under the provisions of all ordinances and resolutions passed by the City Commission of Waycross in pursuance thereof.

The right is reserved to reject any or all bids and to waive formalities, and to accept any bids that the interest of the City of Waycross may require.

C. V. STANTON,
Mayor, City of Waycross, Ga.
ABRAM COOK,
Engineer, Waycross, Ga.

WALTER E. LEE,
Clerk to Commission.

Bids close June 29, 1926.

Street Improvements

West Palm Beach, Fla.

Sealed bids will be received by the City Commission of the City of West Palm Beach, Florida, up to 12 noon on June 29, 1926, for furnishing all labor and material for the construction of improvements in certain streets known as Paving Districts 6-A, 6-B and 6-C, in accordance with the plans and specifications on file in the office of the City Manager of said city.

The amounts of the principal items of the work will be approximately as follows:

215,950 cu. yds. Grading.
1,832,950 sq. ft. Sidewalk.
309,000 sq. ft. Driveways.
287,850 lin. ft. Concrete Combined Curb and Gutter.
590,450 sq. yds. Paving.
41,000 lin. ft. Sewers.

Bids must be accompanied by certified checks aggregating the amount of \$150,000, made payable to the City of West Palm Beach, Florida, as a guarantee that within ten days from notice of awarding of contract the successful bidder will enter into a written contract with the city, and furnish acceptable bond in the amount of one hundred per cent (100%) of the amount bid, conditioned upon the carrying out of said contract. Checks of unsuccessful bidders will be returned. Each bid must be sealed and addressed to the City Manager of the City of West Palm Beach, and shall be in the office of the City Clerk not later than 12 noon on the 29th day of June, 1926.

Each bidder will be required to submit with his bid statements of experience, equipment and financial responsibility on blank forms which will be furnished with the specifications.

Plans, specifications and blank proposals may be obtained at the office of the City Manager upon payment of a deposit of \$25, to be refunded upon receipt of bid or return of said plans and specifications. The City Commission reserves the right to reject any or all bids and to award the contract in the best interests of the City of West Palm Beach, Florida.

C. A. BINGHAM, City Manager.
H. J. DAUGHERTY, City Clerk.
T. B. HENRY, City Engineer.

Bids close June 22, 1926.

Storm Sewers

Birmingham, Ala.

Sealed proposals will be received by the undersigned until 10 o'clock A. M. Tuesday, June 22, 1926, for the construction of certain storm sewers in the Woodlawn Section, said storm sewers ranging in size from fifteen to seventy-two inches in diameter, and the necessary manholes, catch basins and other appurtenances thereto. Estimated cost of said work being one hundred and fifty thousand (\$150,000) Dollars.

Specifications may be obtained and plans examined at this office. The right is reserved to reject any or all proposals.

A. J. HAWKINS, City Engineer.

Bids close June 25, 1926.

Water and Sewer Improvements

Lexington, N. C.

Notice is hereby given that on Friday, the 25th day of June, 1926, at 11 o'clock A. M., at the office of the City Clerk, the undersigned BOARD OF COMMISSIONERS of the City of Lexington will receive sealed bids for approximately eighty thousand dollars, water and sewer extension works.

Blueprints and specifications can be secured on application to N. R. Kinney, City Engineer, at his office in Lexington, North Carolina.

All bids must be accompanied by certified check for the sum of one thousand dollars. The City of Lexington reserves all right to reject any and all bids for the said work. This, the 9th day of June, 1926.

BOARD OF CITY COMMISSIONERS.

By JAMES A. LEONARD, Mayor.
R. P. EARNHART, Clerk.

Bids close June 25, 1926.

Trunk Sewer and Sub-MainsOFFICE COMMISSIONER DEPARTMENT
OF STREETS AND SEWERS

Chattanooga, Tenn.

Sealed proposals, directed to the undersigned, will be received at the office of the Commissioner of the Department of Streets and Sewers, at the City Hall, Chattanooga, Tenn., until 11 o'clock A. M. June 25, 1926, for the construction of the trunk sewer and certain sub-mains of the proposed sanitary sewerage system for the Thirteenth Ward of the City. The following are approximate quantities of the principal items of work:

- 2,921 Lin. Ft. 30" Reinforced Concrete Pipe.
- 5,413 Lin. Ft. 27" Reinforced Concrete Pipe.
- 2,260 Lin. Ft. 24" Reinforced Concrete Pipe.
- 2,018 Lin. Ft. 21" Plain Concrete Pipe or Vitrified Pipe.
- 9,243 Lin. Ft. 18" Plain Concrete Pipe or Vitrified Pipe.
- 2,827 Lin. Ft. 15" Plain Concrete Pipe or Vitrified Pipe.
- 24 Lin. Ft. 30" Cast Iron Pipe in open cut.
- 648 Lin. Ft. 30" Cast Iron Pipe in Tunnel.
- 252 Lin. Ft. 18" Cast Iron Pipe in Tunnel.
- 48 Lin. Ft. 16" Cast Iron Pipe in Tunnel.
- 72 Lin. Ft. 30" Cast Iron Pipe on Piers.
- 564 Cu. Yds. Rock Excavation open cut.
- 35,325 Cu. Yds. Earth Excavation open cut.
- 25,000 Hrs. Common Labor for Tamping.
- 50 Manholes.
- 600 Cu. Yds. Earth Fill.
- 76 Cu. Yds. Concrete in Piers and Abutments.
- 9,720 Lbs. Steel Girders.

Plans and specifications, blank form for proposal, contract and bond will be furnished after the 15th inst. to prospective bidders, the applicant first depositing the sum of \$25, which amount will be refunded on the submission by such applicant of a bona fide bid. Plans and specifications may be seen at the office of the City Engineer after the date mentioned.

Each bid must be accompanied by a certified check, payable to F. K. Rosamond, City Treasurer, for \$5000. The successful bidder shall execute a satisfactory corporate bond for one-half the estimated amount of the contract. The right is reserved to reject any or all bids.

E. D. BASS, Commissioner,
Department Streets and Sewers.

Bids close July 20, 1926.

Water-Works Improvements

Chester, S. C.

Sealed proposals will be received by the Mayor and Board of Aldermen of the City of Chester, S. C., at the City Hall until 2 P. M. Tuesday, July 20, 1926, for making certain water-works improvements, the principal items of which are the construction of a dam, a 2,000,000-gallon filtration plant, laying two miles of 12-inch cast-iron mains, constructing a 500,000-gallon clear-water reservoir, a 50,000-gallon wash-water tank, a 150,000-gallon elevated steel tank, together with the materials and necessary construction work for several miles of water and sewer distribution system.

After June 25, 1926, plans, specifications, proposal forms, contract forms and other information may be obtained from the Engineer, Warren H. Booker, Charlotte, N. C., upon deposit of Ten Dollars (\$10), which deposit will be returned to bona fide bidders.

All bids must be upon blank forms provided in the proposal and contract forms furnished by the Engineer.

Each bid, except for materials, must be accompanied by a bid bond or certified check in favor of J. H. McLure, City Engineer and Treasurer, for not less than five per cent of the amount of the bid as evidence of good faith.

The right is reserved to reject any or all bids.

S. CHURCHILL CARTER,
Mayor.J. H. McLURE,
City Engineer and Treasurer.WARREN H. BOOKER,
Consulting Engineer, Charlotte, N. C.

Bids close July 6, 1926.

Water-Works System

Gulfport, Fla., June 3, 1926.

Sealed proposals will be received by the Town of Gulfport, Florida, at the Town Hall on or before 7.30 P. M. 6TH day of JULY, 1926, for furnishing and installing a complete water-works system in and for the Town of Gulfport, Florida.

The principal items of the work are approximately as follows:

- 6,300 ft. 8-in. cast-iron pipe for 100-ft. pressure.
- 33,000 ft. 6-in. cast-iron pipe for 100-ft. pressure.
- 50,000 ft. 1½-in. galvanized iron pipe fittings.
- 3 8-in. gate valves with boxes.
- 25 6-in. gate valves with boxes.
- 100 1½-in. gate valves with boxes.
- 10 tons cast-iron fittings.
- 60 steamer and nozzle fire hydrants.
- Taking up and replacing 500 yds. brick pavement.
- 1 12-in. deep well.
- Testing deep well pump 500 G.P.M.
- 150 ft. total head pump set at 50 ft.
- 1 vertical squirrel motor, 200, 3-phase, 60-cycle, sufficient horsepower to operate pump.
- 1 automatic control panel to operate pump electrical connection.
- 1 auxiliary gasoline engine, 60 horsepower.
- 1 60,000 elevated water tank on 100-ft. steel towers.
- 1 pump foundation.
- 1 engine foundation.
- 1 tank foundation.
- 1 belt for auxiliary drive to pump.
- Valves and fittings necessary to connect pumping unit to tank and main.
- 1 pump house.

Each bid must be accompanied by a certified check on banks satisfactory to the Town of Gulfport for 5% of the amount of bid, drawn to the order of Town of Gulfport.

All work will be compared on basis of engineer estimate of amount of work to be done.

Copies of specification may be had from Town Engineer upon deposit of \$5.00, which will be returned to bona fide bidders.

Plans may be seen at the office of the Town Engineer in the Town Hall of Gulfport.

The right is reserved by the Town of Gulfport to reject any or all bids and waive any irregularities, and award contract as

may appear to best interest of the Town of Gulfport, Florida.

Bids are requested to be submitted for payment: (1) cash, (2) Town of Gulfport, Florida, 20-year 6% bonds.

W. W. SWIFT, SR.,
Clerk, Town of Gulfport.

Bids close June 25, 1926.

Water-Works Improvements

Williamson, W. Va.

Sealed proposals, properly endorsed, for Water Works Improvements will be received at the office of the City Clerk, City of Williamson, West Virginia, until 9 o'clock A. M. on the 25th day of June, 1926, and at that time and place publicly opened and read.

All proposals must be addressed to the City Clerk and delivered to the Clerk and endorsed "Proposal for Water Works Improvements." All bidders must submit their bids on the proposal blanks furnished by the Engineers.

The work is divided into two contracts as follows:

CONTRACT A—This contract is comprised mainly of the following:

- (1) Construction of a mechanical filtration plant of two (2) million gallons daily capacity, including clearwell, sedimentation basins, mixing basin, four (4) filter units, piping and appurtenances, together with brick superstructure 40 feet by 55 feet.
- (2) Construction of a reinforced concrete storage tank of 50,000 gallons capacity.
- (3) Construction of a reinforced concrete storage tank of 100,000 gallons capacity.
- (4) Repairs to existing Pump Pit.
- (5) Construction of Intake.

CONTRACT "B"—This contract comprises additions and extensions to the Distribution System approximately as follows:

- Cast-iron Pipe furnished and laid:
 - 6-inch—2,050 lin. ft.
 - 8-inch—15,750 lin. ft.
 - 10-inch—2,100 lin. ft.
 - 12-inch—3,700 lin. ft.
- Valves and Valve Boxes furnished and laid:
 - 6-inch—8.
 - 8-inch—30.
 - 10-inch—3.
 - 12-inch—3.

Hydrants furnished and set—40.

Each proposal must be accompanied by a bond with an approved surety company as surety in the sum of 10 per cent of the amount of the bid as surety for the execution of the contract. A certified check on a solvent bank, drawn and made payable to the City of Williamson, West Virginia, in the sum of 5 per cent of the amount of the bid will be accepted in lieu of said bond. Should any bid be rejected such bond or certified check shall forthwith be returned to the bidder, and should any bid be accepted such bond or certified check will be returned upon proper execution and securing of the contract. The successful bidder will be required to execute the contract within seven days after the award of the work to him, and shall furnish bond for the faithful performance of said contract with an approved surety company as surety in the sum of 50 per cent of the total amount of his bid, and in case of failure to do so will be considered to have abandoned the contract.

Plans, specifications and bidding blanks may be secured from the Engineers, Burgess & Niple, 223 East Broad street, Columbus, Ohio, or from the City Clerk, City of Williamson, West Virginia, on deposit of Ten Dollars (\$10). In case a contractor received plans and does not offer a bid and returns the plans in good condition, then Five Dollars (\$5.00) of the Ten Dollars will be refunded to him, the other Five Dollars being retained to cover the cost of excessive printing charges. In case, however, any contractor received plans and specifications and submits a bona fide bid, then the Ten Dollars (\$10) will be refunded to him on return of the plans in good condition within ten days after the opening of bids.

The contractor awarded the contract for this work will be paid from the funds derived from the sale of the \$335,000 "Water Works and Street Improvement Bonds" which bonds have been duly authorized and approved by the Attorney General of the State of West Virginia.

The City Commission reserves the right to reject any and all bids.

Dated this May 29, 1926.

LAFE P. WARD, Clerk.

Bids close June 28, 1926.

School Building

Starkville, Miss.

The Board of Trustees of the Starkville Separate School District of Starkville, Mississippi, will meet on Monday, June 28, 1926, to receive bids for the erection of buildings for colored school in said School District, according to plans and specifications now on file with the City Clerk of Starkville, Mississippi.

Each bid must be accompanied by a certified check for \$250, and the board reserves the right to reject any or all bids.

This June 2, 1926.
J. A. McKEE,
Chairman Board Trustees.

Bids close June 24, 1926.

School Building

Jesup, Ga.

Sealed bids will be received by the Board of Trustees of the Jesup School District, Jesup, Ga., until 2 o'clock P. M. June 24, 1926, for the erection of a one-story Brick School Building, with twelve classrooms and auditorium.

Separate bids will be received for Plumbing and Heating.

Proposals for general work and plumbing and heating to be accompanied by a certified check or bond in the amount of 5 per cent of the amount bid.

All certified checks to be made payable to Mr. S. E. Cohen, Chairman, and are deposited as a guarantee that the contractors to whom the work is awarded will sign agreement and execute bond. Should the contractor fail to enter into contract and execute bond, check will be forfeited to the School Board as liquidated damages.

The right is reserved to reject any or all bids.

Plans and specifications may be obtained by contractors from the office of Greer & Biggers, Architects, 121 West Adams Street, Jacksonville, Fla., upon deposit of a certified check for \$25. Said checks to be refunded when plans and specifications are returned in good condition.

A satisfactory Surety Company's bond in the amount of \$25,000 will be required of the accepted bidder.

Bids close July 12, 1926.

Hospital Building

Sealed proposals on a fixed-sum basis will be received by the Board of Commissioners of the Halifax Hospital District, Daytona Beach, Fla., at the office of the Chamber of Commerce at 2 P. M. Monday, July 12, 1926, for the erection and completion of a Hospital Building of 125 beds capacity at Daytona Beach, Fla.

Plans and specifications may be seen and estimates prepared without cost at the following offices:

Chamber of Commerce, Daytona Beach, Florida.

Chamber of Commerce, Jacksonville, Florida.

Builders' Exchange, Atlanta, Georgia.

They may also be obtained upon application to the architects at Columbia, S. C., on the following terms:

First—To a specially invited list of ten general contractors, on deposit of Fifty Dollars (\$50) guaranteeing their return to the office of the architects in good condition and without expense on or before July 17, 1926, and that a proposal is made in good faith, upon which the deposit will be returned.

Second—To any other responsible and competent general contractors upon the payment of Thirty Dollars (\$30) without refund.

Third—Sub-contractors and material men, partial or complete sets on payment of Sixty (60) Cents per sheet for drawings and Ten (10) Cents per sheet for specifications, without refund.

Each bid must be accompanied by a certified check, payable to the Board of Commissioners, Halifax Hospital District, in the sum of Ten Thousand (\$10,000) Dollars as a guarantee that if the bid is accepted the contractor will enter into a contract and give bond in the standard form of the American Institute of Architects (Third Edition) in a sum not less than one-third of the contract price covering the contract and its guarantees for a period of twenty-seven (27) months.

The owners reserve the right to reject any or all bids.

F. J. NIVER, Chairman,
Daytona Beach, Fla.
WILSON, BERRYMAN & KENNEDY,
Architects,
Columbia, South Carolina.

Bids close June 28, 1926.

Municipal Golf Club House

Fort Lauderdale, Fla.

Sealed proposals for furnishing material and constructing municipal golf clubhouse for the City of Fort Lauderdale, Florida, will be received by the Mayor and Board of Commissioners at the City Manager's office until 1 o'clock P. M. June 28, 1926.

Each proposal must be accompanied by a certified check, payable to the City of Fort Lauderdale, in the amount of one thousand (\$1000) dollars as a guarantee that the contract will be entered into if awarded. A bond in full to amount of contracted price will be required in the form issued by the American Institute of Architects.

Plans and specifications for the proposed work are on file in the office of Francis L. Abreau, Architect, 204 Bryan Court, Fort Lauderdale, Florida. Copies of plans and specifications will be furnished on or after June 16, 1926, to prospective bidders upon a deposit of certified check for twenty (\$20) dollars, payable to City of Fort Lauderdale, Florida, which will be refunded on return of all documents in good condition.

B. HORNE, City Manager.

Bids close June 21, 1926.

Incinerator

Clearwater, Fla.

Sealed bids will be received at the office of the City Manager, Clearwater, Florida, up to 7.30 P. M. June 21, 1926, for furnishing and erecting a garbage and trash incinerator for the said city. Incinerator shall have a guaranteed capacity of 20 tons per 10-hour day.

Bids must include a brick or hollow tile stucco building with steel truss and tile roof, with cheaper forms of buildings as alternatives if desired. Bids must include radial brick chimney, with alternative of brick-lined steel chimney.

The city will furnish site for incinerator and earth fill for ramp.

Certified check or bid bond for two thousand dollars (\$2000) must accompany each bid, and the successful bidder will be required to furnish a complete set of working drawings for installation.

The city reserves the right to reject any and all bids.

CHAS. F. MASON,
City Manager.

Bids close July 12, 1926.

Office Building No. 2

WEST VIRGINIA STATE CAPITOL

FOR THE

STATE OF WEST VIRGINIA

CHARLESTON, KANAWHA COUNTY, W. VA.

Sealed proposals will be received by the Capitol Building Commission at the Governor's office in Charleston, W. Va., until 2 P. M. Monday, July 12, 1926, for doing all work and furnishing all material necessary to complete the above-named building, according to the plans and specifications of Cass Gilbert, Architect.

The building is to be fireproof construction. Size 300x60 feet, with wing 43x73 feet, four stories, pent house, full basement. Exterior, Indiana Limestone.

Plans and specifications and blank forms for bids will be mailed by Cass Gilbert, Architect, 244 Madison avenue, New York city, upon receipt of certified check for \$200, which amount will be refunded upon return of the plans and specifications. An additional check for \$20 must be sent for any duplicate sets desired. Plans are for estimating purposes only and are the property of the Architect, and must be returned immediately after bids are submitted. Two copies of drawings and specifications are on file in the office of the Capitol Building Commission for use of bidders.

A certified check for \$20,000 must accompany proposal for GENERAL CONSTRUCTION, and certified checks for \$2000 must accompany proposals for HEATING AND VENTILATING, PLUMBING AND GAS FITTING AND ELECTRICAL WORK. Said checks will be made payable to the Capitol Building Commission of the State of West Virginia, Charleston, W. Va.

In lieu of said certified checks, bonds of equal amount of the United States or the State of West Virginia may accompany proposals. The checks or bonds of all bidders will be returned to them after award of contract.

No proposals received after the time stated above will be considered. The right is reserved to reject any and all bids and to waive defect or informality in any bid.

THE CAPITOL BUILDING COMMISSION,

HOWARD M. GORE, Governor,

CHARLESTON, WEST VIRGINIA.



CLASSIFIED OPPORTUNITIES



MINERAL AND TIMBER LANDS, WATER POWER, MISCELLANEOUS PROPERTIES

FOR SALE—Timber Land, Mill Properties, Cut-Over Timber Lands, Water Frontage for subdivision, located Gulf Coast. H. H. WEFEL, JR., Mobile, Alabama.

MANGANESE MINE

MANGANESE MINE with washing-plant for sale, ready to operate; located in Virginia. For particulars address No. 6596, care Manufacturers Record, Baltimore, Md.

SOAPSTONE DEPOSIT

SOAPSTONE—Bargain; one mile from railway; hard texture of good quality; thirty tons of cut material will pay for property. C. C. JARRARD, Cleveland, Ga.

TIMBER AND TIMBER LAND

1,500,000 FEET OF TIMBER for sale. Pines, gums, cypress and hardwoods. Properties lie in North Carolina, South Carolina and Florida. In tracts of 1700 acres up to 100,000 acres, and running 5,000,000 to 500,000,000 feet. In fee simple at \$3.25 per thousand to \$50 an acre, and on good terms. ROBERT S. GOLDSMITH, Power & Light Bldg., St. Petersburg, Fla.

FARM, FRUIT AND TRUCK LANDS

ALABAMA

WONDERFUL OPPORTUNITIES, with unlimited possibilities, for investment on the Gulf Coast at Mobile. The land that steals your heart away. We have factory sites, textile mill, central business property, farms, orange and pecan groves, timber tracts, cutover land, waterfront property, homes and desirable building lots at very attractive prices and easy terms. Write us for information and literature. **GULF COAST INVESTMENT COMPANY, INC., REALTORS**, 32-34 N. Royal St., Battle House Bldg., Mobile, Ala.

FLORIDA

WE ARE REALTORS.

Service and Reliability Our Slogan.
How can we help you in Florida?

GOODWIN & BAKER,
Fort Pierce, Florida.

FLORIDA LANDS OUR SPECIALTY. Can furnish any size tract for colonization or timber operation. Guarantee delivery, with good titles. Buyers only. M. L. Horn Co., 1201 Graham Bldg., Jacksonville, Fla.

SIX HUNDRED ACRES fine potato land; will yield thirty to fifty barrels per acre; potatoes sold this year \$16 to \$20 per barrel F. O. B. Fort Pierce. Price per acre upon application.
J. G. COATS, Fort Pierce, Florida.

TWENTY ACRES AND PLENTY.

Free book tells truth about Florida land; monthly payments \$1 an acre. Orange groves, planted, cared for, 10 per cent above cost.

SYLVESTER E. WILSON,
Dept. X, Orlando, Fla.

CARR & CARR, INC.,
WEST PALM BEACH, PALM BEACH,
LAKE WORTH.

References—Any bank or trust company in Palm Beach County.

FARM, FRUIT AND TRUCK LANDS

FLORIDA

BEAUTIFUL GULF ISLAND, sea encircled, bold, distinctive and romantic, for sale on Florida West Coast. Property area 109 acres; fertile soil; hundreds large pines and palms; luxuriant native shrubs. Good town only one mile. Boating, bathing, fishing, hunting galore. Exquisite surroundings; bird life rich and varied. Unsurpassed in desirability for a delightful Winter estate and home. Perfect title. Reasonable price; terms if wanted. Sole owner of entire property for years. G. F. Ogilvie, Wilkesboro, N. C.

FLORIDA—Lake Front, 5 acres, all cultivated; runs back into fine, large lake; fronts on main paved Highway; has store building on the Highway. Fine location for neighborhood store, filling station, poultry ranch or orange grove; only \$1850; terms. Call or send today for booklet and list of Groves and Farms. Tampa-West Coast Realty Co., Inc., Opp. Postoffice. "Since Before the War," Tampa, Florida.

FLORIDA INVESTMENTS MANATEE COUNTY.

The county that stands 7th in production of fruit and vegetables in the U. S. A solid foundation back of your investments—Farm Lands—Business Properties—Lots or Acreage for Subdivisions.

Full information on request—we can buy for you and we can resell for profit.

References: Bradenton Bank & Trust Co.

MANATEE LAND SALES CO.

Bradenton, Fla.

St. Petersburg Office—560 First Ave. North.

GEORGIA

FOR SALE—85 acres high land and 75 acres salt marsh, located in Georgia, 4½ miles from Florida state line, near Jacksonville. Has 1000-foot frontage on salt-water river; beautifully located; very healthy; artesian water available; finest fishing; best oysters, crabs and shrimp. Will send photos if interested. Price \$10,000 cash. Address **GEO. H. COOK**, Brunswick, Ga.

MISSISSIPPI

BAY SAINT LOUIS, MISS., the Cream of the Mississippi Gulf Coast. Unlimited possibilities for investment. I have factory sites, Dairy and Poultry farms, truck farms and pecan groves, water-front property for private estates and subdivision. Write for information. Hardy F. Mullikin, Bay Saint Louis, Miss.

NORTH CAROLINA

900 ACRES in Carolina's famous Peach Belt. Ideal Peach land; \$25 per acre.

Z. V. PATE, Owner,
Laurinburg, N. C.

ASHEVILLE, N. C., the Land of the Sky. For sale, 325 acres, beautifully wooded, wonderful mountain scenery, city water, fronting Appalachian Scenic Highway; just outside city limits. Ready for development. For information write **F. A. Tweed Realty Co.**, Realtors. Established 1919.

FOR SALE—Great Southern Plantation, 2308 acres; 1100 in cultivation; finest soil. Thirty Tenant Houses, 25 tenant families now living on place.

Big owner's house, barns, etc.; modern suction cotton gin; store at crossroads on farm.

Great hunting place. Lots of deer, turkey, quail, fox and other small game. Fine bass fishing in season.

A great bargain. Write owner.

PAUL ROBINSON,

Box 577, Roanoke Rapids, N. C.

FARM, FRUIT AND TRUCK LANDS

NORTH CAROLINA

3000 ACRES, part good farming land, adapted to growth of staple farm crops, balance very suitable for stock farm; \$20 per acre. **Z. V. PATE**, Owner, Laurinburg, N. C.

For Solid Conservative Investment
CHARLOTTE REAL ESTATE
is worthy of your attention. No boom. An all the year round business city on a solid, conservative foundation and steady, continual growth.

F. C. ABBOTT & COMPANY,
Nearly thirty years in Charlotte Real Estate and Investments.
CHARLOTTE, N. C.

TEXAS

E. B. WITMER, Realtor,
First National Bank Building,
Mercedes, Texas.
City Property, Farms, Citrus Groves.
Large Acreage, irrigated and unirrigated.

BUSINESS AND INVESTMENT PROPERTY

ROANOKE:

Value of building permits for years mentioned is ONE reason Roanoke is the **THIRD** City in

VIRGINIA.

Year 1900.....	\$208,159
Year 1910.....	832,428
April, 1924.....	305,702
May, 1924.....	349,185
April, 1925.....	372,880
May, 1925.....	462,194
April, 1926.....	660,002
May, 1926.....	732,706

I sell Business and Investment property in Roanoke.

OSCAR A. WALL,
With Ellis L. Wright, Realtor, Box 497,
Roanoke, Va.

BUSINESS OPPORTUNITIES

WANTED—Company or individual to handle our output of roofing cement. Attractive proposition. Room 203 Moore Building, Richmond, Va.

FOR SALE—Excellent Mill Supply and Machinery Business; located in the heart of North Carolina factory and mill district. Address No. 6595, care of Manufacturers Record, Baltimore, Md.

BUSINESS EXECUTIVE wanted to manage office of fast growing construction company doing business all over the Southeast; party must invest some capital in business. Address P. O. Box 660, Pensacola, Fla.

GOLD—Nine patented gold-mining claims for sale, or money wanted to reopen. Large producers in the 80s. Working now under lease. For particulars write

FRANK G. CLINE, Agent,
Box 176, Lordsburg, N. M.

HERE IS AN OPPORTUNITY; comes once in a life-time. Well-established Planing Mill, Lumber and Coal Business, in active operation. Can be bought less than the value. No competition in the town. Located in Delta, York County, Pa.

Address J. Howard Stubbs, Delta, Pa.

DEVELOPED BUSINESS PROPERTY; vacant business property **ALONGSIDE** that already improved; Lake and River front lots for homes are our specialties. These properties are always good and in demand.

R-E-M-E-M-B-E-R

Florida is daily growing smaller and each week's passing makes for higher values. Get your piece now.

CITY REALTY COMPANY,
Jno. F. Pearson, Prop.,
7 Ball Building, Sanford, Fla.

BUSINESS OPPORTUNITIES

FOR SALE—Two-story building and clean, up-to-date stock of general merchandise in one of East Tennessee's most prosperous growing towns, doing a good cash business; no accounts. Best location in town. Stock will invoice \$25,000 to \$30,000. Good reason for selling. If interested, write

MORELAND'S DEPARTMENT STORE,
Elizabethton, Tennessee.

INDUSTRIAL PLANTS

FOUNDRY AND MANUFACTURING PLANT—20,000 sq. ft. floor space, motor machinery and foundry equipment, daylight, brick, steel and wood construction, good condition, located on river. Address Box 251, Alexandria, Va.

FOR SALE—Three modern Arctic Pownall Ice Plants in Miami, Florida, and vicinity. Address O. J. Morris Ice & Cold Storage Bldg. Co., 2637 N. Miami Ave., Miami, Fla.

WILL LEASE—A hard rock quarry and stone plant, in good condition, centrally located on James River Division of C. & O. E. R. at Strathmore, Virginia, 70 miles west of Richmond. Capacity 250 to 300 tons commercial crushed stone daily; good railroad outlet. D. J. O'Callaghan, Garland, McDowell County, West Virginia.

BUILDING FOR SALE

FOR SALE—Three-story, Mill-Constructed Building, 145x200, located in Atlanta, on Southern Railway, with platform track space for nine cars, equipped with elevator and sprinkler system.

MANGET BROS. CO., Newnan, Ga.

FOR SALE—A two-story brick fireproof building, one hundred feet front by one hundred feet back, containing four store rooms twenty-five by one hundred feet on first floor and thirteen offices on second floor; steam heat, electric lights and all modern conveniences. This property is located in a growing town of seven thousand inhabitants in the Piedmont section of North Carolina on the main line of the Southern Railway and on National Highway South from Washington to Charlotte, N. C.

The property can be bought at a fair price on reasonable terms and will make a good investment for a party who would like to hold to reap benefit of the development in this part of the South.

Address
POST OFFICE BOX 132,
Reidsville, N. C.

FLOOR SPACE FOR RENT

BAY STREET, SAVANNAH, GA.

20,000 sq. ft. space, suitable for loft, office and light manufacturing. Central location, railroad and steamboat facilities. Low rent. Address **A. W. SMITH, 1204 Wynne-Claughton Building,** Atlanta, Ga.

HOTEL SITE

HOTEL OR APARTMENT SITE FOR SALE—Three-fourths block, 211 feet front by 156 feet deep, on principal street of Florence, overlooking park; \$150 per foot. Also good house and 50-foot lot, two blocks from post office, on coming business street, \$10,000. **P. B. HILL, Owner,** Box 512, Florence, Ala.

FACTORY SITES

FACTORY SITE FREE—In Cliftondale Park, a suburb of Clifton Forge, Va. On main line C. & O. Railway; large stream through property, within fifty yards high-power electric line; low current rates. Good labor conditions; healthful climate; exempt from city taxes. From one to five acres absolutely free to anyone who will locate an industry on the property. **L. W. Farrier & Co., Inc.,** Clifton Forge, Va.

INDUSTRIAL SITE FOR SALE

MIDWAY
FORT WORTH POPULATION, 185,000
DALLAS POPULATION, 225,000

Three acres on Texas & Pacific R. R., Dallas-Fort Worth Interurban and Dallas-Fort Worth Boulevard. Property is served by spur of T. & P. R. R. Water, gas and electric facilities readily available, also plenty of best labor. Low tax rate. Suitable for small cotton plant or novelty factory. Will sell for cash and will consider taking interest in plant. Reference, Fort Worth Chamber of Commerce.

A. R. ELDREDGE, Owner,
1510 Jones Street, Fort Worth, Texas.

PATENTS FOR SALE

FOR SALE—U. S. Patent Rights. State Rights, or Royalty. Safety system for controlling traffic, railroad crossings, crossroads, schools and dangerous points on highways. Write **E. M. Wrightson,** Ashland Place, Mobile, Alabama.

PATENT ATTORNEYS

PATENTS—Booklet free. Highest references. Best results. Promptness assured. **Watson E. Coleman, Patent Lawyer,** 644 G St. N. W., Washington, D. C.

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Write for our free Guide Books and "RECORD OF INVENTION BLANK" before disclosing inventions. Send model or sketch and description of your invention for our inspection and instructions, free. Terms reasonable. Highest references. **VICTOR J. EVANS & CO.,** 712 Ninth, Washington, D. C.

INVENTORS—Send sketch or model of your invention for opinion concerning patentable nature and exact cost of applying for Patent. Book, "How to Obtain a Patent," sent free. Gives information on patent procedure and tells what every inventor should know. Established 25 years. **Chandlee & Chandlee,** 412 Seventh St. N. W., Washington, D. C.

SITUATIONS WANTED

CIVIL ENGINEER, 38, married, member Am. Soc. C. E., 18 years' working experience Southern states, municipal and public utilities, proven executive, highest references, desires connection. Address No. 6504, care Manufacturers Record.

MEN WANTED

GRADUATE ENGINEER, experienced in structural steel and reinforced concrete building design. Steady work, with exceptionally good future. **Massillon Steel Joist Company,** Canton, Ohio.

SPLENDID BUSINESS OPPORTUNITY in South for salesmen to represent large manufacturing concern, selling metal buildings, stokers, grates, soot blowers, water heaters. Fine territory open in industrial centers. Give reference. Write **Marion Machine, Foundry & Supply Company,** P. O. Box 685, Marion, Indiana.

SALESMEN WANTED—Our proposition offers greater earning possibilities to the real salesman than is offered to him in most any other line. A credit and collection service with a bonded recovery obligation. **American Security Credit Company,** General Offices, St. Louis, Mo.

WE HAVE an opening for an efficient, experienced sprinkler lay-out engineer. We would prefer a man who has also had experience in the selling field; this is not essential, but desired. Reply by letter, stating age, legal status, experience and salary expected.

ROBERT M. JONES, INC.,
1125 W. Adams St., Jacksonville, Florida.

IF YOU ARE OPEN to overtures for new connection, and qualified for a salary between \$2500 and \$25,000, your response to this announcement is invited. The undersigned provides a thoroughly organized service, of recognized standing and reputation, through which preliminaries are negotiated confidentially for positions of the caliber indicated. The procedure is individualized to each client's personal requirements; your identity covered and present position protected. Established sixteen years. Send only name and address for details.

R. W. BIXBY, INC.,
103 Downtown Building, Buffalo, New York.

MACHINERY AND SUPPLIES

FOR SALE—One new 10,000-gallon fuel-oil storage tank, size 10½ ft. by 16 ft. Price \$425 f. o. b. cars **Lakeland, Fla. RIDDLE FURNITURE MFG. CO.,** Box 1533, Lakeland, Fla.

FOR SALE—Steel structure part for three buildings, 20x60, or, if desired, can make one building, 20x220. Price \$425 each, or \$1200 for the three; price f. o. b. cars **Lakeland, Fla. Blueprint furnished.** This price would not cover more than the labor to manufacture them now. Will be suitable for lumber sheds, garages or storage houses. **RIDDLE FURNITURE MFG. CO.,** Box 1533, Lakeland, Fla.

Industrial Storage and Repair Plant

Suitable for Manufacturing Purposes

Property of **INDUSTRIAL SERVICE COMPANY,** at **LINCOLN, N. J.,** used for 12 years for storage and repair of Industrial machinery, will be sold at Receiver's Sale to Highest Bidder

Thursday, June 24, 1926

at 1 o'clock (Eastern Standard Time) at Company's Premises, Lincoln, N. J.

Property includes 20 acres of high, level land on Main Line, L. V. R. R. Co., 29 miles from New York. Good trucking any direction. Siding from main line into property. About 3500 feet of siding on property. About 20,000 sq. ft. storage space under cover, machine shop, office building, unloading

pit, 20 ton Ohio Locomotive Crane with A.S.M.E. Boiler, machine tools, etc.

TERMS: \$5000 cash or certified check must be deposited by high bidder for real estate at close of sale. 10% of bid for personal property, if sold separately.

Property will be offered as entirety; then in parcels and will be reported to Court of Chancery for confirmation to highest bidder.

Apply to either address for full particulars

J. STANLEY GRIFFIN,
Receiver of Industrial Service Co.
Jersey City, N. J.

McDERMOTT, ENRIGHT & CARPENTER,
Attorneys for Receiver
75 Montgomery St., Jersey City, N. J.



Always on Hand

It is because Prest-O-Lite has an ample supply of cylinders in its 31 plants and 85 warehouses that its 22 District Sales Offices are always able to fulfill every delivery promise for dissolved acetylene. This is the service you need for your oxy-acetylene welding and cutting operations.

THE PREST-O-LITE COMPANY, INC.
Oxy-Acetylene Division

General Offices: Carbide and Carbon Building
30 East 42d St., New York

In Canada: Prest-O-Lite Co. of Canada, Limited, Toronto
31 Plants—85 Warehouses
22 District Sales Offices

Prest-O-Lite

DISSOLVED ACETYLENE

Youngstown Steel Sheets

*from Ore Mine
to Manufacturer*



IN no other form is steel used for so many different purposes as in sheets, and there is no form in which quality and service is more important.

Steel Sheets bearing the name "Youngstown" are a guarantee of both quality and service and must measure up to the high standard that has been maintained by this company for over a quarter of a century.

Every sheet of "Youngstown" steel that leaves our plant carries with it the assurance that it is made of the best steel, honest in weight and gauge, accurately rolled and sheared and properly finished for its intended use. Our long experience in the manufacture of steel sheets and the advantage of making our own steel, controlling and directing every operation from mining the ore to finishing the sheet, makes this assurance possible.

THE YOUNGSTOWN SHEET & TUBE CO. YOUNGSTOWN, OHIO

District Sales Offices

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BOSTON, Massachusetts Trust Bldg.
BUFFALO.....Liberty Bank Bldg.
CHICAGO.....Conway Bldg.
CINCINNATI.....Union Trust Bldg.
CLEVELAND.....Union Trust Bldg.
DALLAS.....Magnolia Bldg.

DENVER...First Nat'l. Bank Bldg.
DETROIT...First Nat'l. Bank Bldg.
KANSAS CITY, MO., Commerce Bldg.
MINNEAPOLIS.....Andrus Bldg.
NEW ORLEANS.....Audubon Bldg.
NEW YORK.....30 Church St.
Hudson Terminal Bldg.

PHILADELPHIA
Franklin Trust Bldg.
PITTSBURGH.....Oliver Bldg.
SAN FRANCISCO.....Sharon Bldg.
SEATTLE.....Central Bldg.
ST. LOUIS.....Mo. State Life Bldg.
YOUNGSTOWN...Stambaugh Bldg.

LONDON REPRESENTATIVE—The Youngstown Steel Products Co.
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